

Flood Control Project Maintenance
Levee Inspections

Fall 2013 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0001 American River Flood Control District	Overall LMA Rating	Total LMA Miles						
	A	33.24						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.08		0.08	0.24%	1.00	0.27		
Trim / Thin Trees	0.01		0.01	0.03%				
Encroachments	0.05		0.05	0.15%	0.79	3.22		0.05
Animal Control	0.04		0.04	0.12%				
Slope Stability	0.05		0.05	0.15%				
Erosion / Bank Caving	0.01		0.01	0.03%				
<i>Supplemental</i>								
USACE Erosion Survey	0.01		0.01	0.03%				
<i>LMA Totals:</i>	0.25	0.00	0.25	0.75%	1.79	3.49	0.00	0.05
Unit No. 01 Arcade Creek LB NA0001	Overall Unit Rating	Total Unit Miles						
	A	2.10						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation					0.02	0.04		
Encroachments	0.01		0.01	0.48%	0.04	0.25		0.05
Animal Control	0.01		0.01	0.48%				
<i>Unit Totals:</i>	0.02	0.00	0.02	0.95%	0.06	0.29	0.00	0.05
Unit No. 02 Natomas E Canal LB NA0001	Overall Unit Rating	Total Unit Miles						
	A	3.95						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					0.02			
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.02	0.00	0.00	0.00
Unit No. 03 American River RB NA0001	Overall Unit Rating	Total Unit Miles						
	A	2.78						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Animal Control	0.01		0.01	0.36%				
Slope Stability	0.01		0.01	0.36%				
<i>Unit Totals:</i>	0.02	0.00	0.02	0.72%	0.00	0.00	0.00	0.00

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Sacramento River Basin (cont.)

Unit No. 04 American River LB	Overall Unit Rating	Total Unit Miles						
	A	10.97						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.06		0.06	0.55%	0.69	0.18		
Trim / Thin Trees	0.01		0.01	0.09%				
Encroachments	0.03		0.03	0.27%	0.29	1.49		
Slope Stability	0.01		0.01	0.09%				
<i>Supplemental</i>								
USACE Erosion Survey	0.01		0.01	0.09%				
<i>Unit Totals:</i>	0.12	0.00	0.12	1.09%	0.98	1.67	0.00	0.00
Unit No. 05 Sacramento River LB	Overall Unit Rating	Total Unit Miles						
	A	0.40						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation					0.14			
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.14	0.00	0.00	0.00
Unit No. 06 Linda Creek LB	Overall Unit Rating	Total Unit Miles						
	A	1.30						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
No Items								
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%				
Unit No. 07 Arcade Creek RB	Overall Unit Rating	Total Unit Miles						
	A	1.92						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation					0.02	0.05		
Encroachments	0.01		0.01	0.52%	0.06	0.12		
Slope Stability	0.02		0.02	1.04%				
<i>Unit Totals:</i>	0.03	0.00	0.03	1.56%	0.08	0.17	0.00	0.00
Unit No. 08 Magpie Creek Diversion LB	Overall Unit Rating	Total Unit Miles						
	A	1.43						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.02		0.02	1.40%	0.01			
Encroachments					0.30	0.52		
<i>Unit Totals:</i>	0.02	0.00	0.02	1.40%	0.31	0.52	0.00	0.00

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Sacramento River Basin (cont.)

Unit No. 09 American River RB NA0001	Overall Unit Rating	Total Unit Miles						
	A	4.32						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation					0.01			
Encroachments					0.08	0.14		
Animal Control	0.02		0.02	0.46%				
<i>Unit Totals:</i>	0.02	0.00	0.02	0.46%	0.09	0.14	0.00	0.00
Unit No. 10 American River RB NA0001	Overall Unit Rating	Total Unit Miles						
	A	3.34						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation					0.11			
Encroachments						0.70		
Slope Stability	0.01		0.01	0.30%				
Erosion / Bank Caving	0.01		0.01	0.30%				
<i>Unit Totals:</i>	0.02	0.00	0.02	0.60%	0.11	0.70	0.00	0.00
Unit No. 11 New Linda Creek LB NA0001	Overall Unit Rating	Total Unit Miles						
	A	0.73						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
No Items								
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%				

**Flood Control Project Maintenance
Levee Inspections**

LMA District Cover Sheet

Fall 2013 Levee Inspection Results

American River Flood Control District

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an induction of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

American River Flood Control District

Waterway			Bank	Unit Miles
Unit No. 01 Arcade Creek			Left	2.10
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/27/2013 - 03/27/2013		11/20/2013 - 11/20/2013	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Richard Marck ARFCDD		Richard Marck ARFCDD	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
L/MR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment			GPS Latitude/Longitude	Issue No.
	Start	End								Start	End
1	Earthen Levee	Flood Preparedness & Training	LS	A Ma						°	° 2
2	Earthen Levee	Emergency Supplies & Equipment	LS	A Ma						°	° 24
3	Earthen Levee	Operations & Maintenance Manuals	LS	A Ma						°	° 25
4	0.40 0.40	Earthen Levee	Encroachments	WSA/W PI : Pipe Ma						38.622579 ° 38.622579 ° 60 -121.461567 ° -121.461567 ° Y	DWR ID: DWR_NA0001_01_s_2013_25
5	0.48 0.48	Earthen Levee	Erosion / Bank Caving	LS A/W E1 : Note and monitor erosion site. Ma						38.623227 ° 38.623227 ° 164 -121.460399 ° -121.460399 ° Y	DWR ID: DWR_NA0001_01_s_2012_60
6	0.48 0.48	Earthen Levee	Animal Control	WS M Ma			A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Old burrows that need to be filled. Burrows are larger than 6" and were obscured by grass.			38.623242 ° 38.623242 ° 165 -121.460363 ° -121.460363 ° Y	DWR ID: DWR_NA0001_01_s_2012_164
7	0.77 0.77	Earthen Levee	Encroachments	LS U En			FE : Fence Inspector Comments: Dog-eared fence built within 10' of the toe			38.624016 ° 38.624016 ° 183 -121.455193 ° -121.455193 ° Y	DWR ID: DWR_NA0001_01_s_2012_183
8	0.80 0.80	Earthen Levee	Encroachments	LS M Ma			DE : Debris			38.624178 ° 38.624178 ° 32 -121.454727 ° -121.454727 ° Y	DWR ID: DWR_NA0001_01_f_2013_32
9	0.95 0.95	Earthen Levee	Encroachments	LS U En			FE : Fence Inspector Comments: Dog-eared wooden fence built within 10' of the toe.			38.625072 ° 38.625072 ° 182 -121.452225 ° -121.452225 ° Y	DWR ID: DWR_NA0001_01_s_2012_182
10	1.00 1.05	Earthen Levee	Encroachments	LS U Ob			BU : Building			0.000000 ° 0.000000 ° 185 0.000000 ° 0.000000 °	DWR ID: DWR_NA0001_01_f_2013_185
11	1.16 1.16	Earthen Levee	Encroachments	LS U En			FE : Fence Inspector Comments: Dog-eared wooden fence and chain link fence is built against the levee slope.			38.624832 ° 38.624832 ° 23 -121.448607 ° -121.448607 ° Y	DWR ID: DWR_NA0001_01_s_2012_23
12	1.17 1.17	Earthen Levee	Encroachments	LS U En			FE : Fence Inspector Comments: Dog-eared wooden fence is built against the levee slope.			38.624850 ° 38.624850 ° 22 -121.448428 ° -121.448428 ° Y	DWR ID: DWR_NA0001_01_s_2012_22

* Location LS : Land Side WS : Water Side CR : Crown

** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Arcade Creek							Left	2.10	11/20/2013 11/20/2013	Maksim Khashchuk	
MR No	Levee Mile		Category	Item	* Location	** Rating	Action/Comment			GPS Latitude/Longitude	Issue No.
	Start	End								Start	
13	1.18	1.18	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Dog-eared wooden fence is built against the levee slope.	38.624877 ° -121.448248 °	38.624877 ° -121.448248 °	Y
											DWR ID: DWR_NA0001_01_s_2012_21
14	1.19	1.19	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Dog-eared wooden fence is built against the levee slope.	38.624900 ° -121.448037 °	38.624900 ° -121.448037 °	Y
											DWR ID: DWR_NA0001_01_s_2012_20
15	1.26	1.26	Earthen Levee	Encroachments	LS	U	BU : Building En	Inspector Comments: Cement block building within 10-ft of toe.	38.625300 ° -121.446767 °	38.625300 ° -121.446767 °	Y
											DWR ID: DWR_NA0001_01_s_2012_18
16	1.34	1.34	Earthen Levee	Trim / Thin Trees	LS	N	T5 : Tree stumps. Ma		38.625926 ° -121.445329 °	38.625926 ° -121.445329 °	Y
											DWR ID: DWR_NA0001_01_f_2013_26
17	1.35	1.35	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Wooden privacy fence	38.625827 ° -121.445395 °	38.625827 ° -121.445395 °	Y
											DWR ID: DWR_NA0001_01_s_2012_17
18	1.35	1.35	Earthen Levee	Trim / Thin Trees	LS	N	T5 : Tree stumps. Ma	Inspector Comments: Two stumps at landside toe.	38.626063 ° -121.444988 °	38.626063 ° -121.444988 °	Y
											DWR ID: DWR_NA0001_01_s_2012_178
19	1.37	1.37	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Wooden privacy fence	38.626000 ° -121.444978 °	38.626000 ° -121.444978 °	Y
											DWR ID: DWR_NA0001_01_s_2012_16
20	1.38	1.38	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Wooden privacy fence with vine on levee slope.	38.626048 ° -121.444785 °	38.626048 ° -121.444785 °	Y
											DWR ID: DWR_NA0001_01_s_2012_15
21	1.39	1.39	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Wooden privacy fence	38.626085 ° -121.444580 °	38.626085 ° -121.444580 °	Y
											DWR ID: DWR_NA0001_01_s_2012_14
22	1.40	1.40	Earthen Levee	Encroachments	LS	M	BU : Building En	Inspector Comments: Small wooden storage shed and firewood are placed along chain link fence within 10-ft of levee toe.	38.626210 ° -121.444320 °	38.626210 ° -121.444320 °	Y
											DWR ID: DWR_NA0001_01_s_2012_38
23	1.41	1.41	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Wooden fence with barbed wire is built within 10-ft of levee toe. 04/13/2011 Fence has blown over and now partially rests on the levee. Fall insp 2011 fence has been rebuilt in same location, within 10' of levee toe.	38.626155 ° -121.444250 °	38.626155 ° -121.444250 °	Y
											DWR ID: DWR_NA0001_01_s_2012_13
24	1.42	1.42	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Dog-eared wooden fence is built near the levee slope.	38.626212 ° -121.444082 °	38.626212 ° -121.444082 °	Y
											DWR ID: DWR_NA0001_01_s_2012_12

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
MR No	Levee Mile		Category	Item	* Location Start	* Rating +	Action/Comment	GPS Latitude/Longitude		Issue No. Start	Photo
	Levee Mile	End						Start	End		
25	1.43	1.43	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping Inspector Comments: Thick vegetation at the toe.	38.626429 °	38.626429 °	177	
								-121.443835 °	-121.443835 °	Y	DWR ID: DWR_NA0001_01_s_2012_177
26	1.48	1.48	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Wooden privacy fence within 10' of the levee toe.	38.626881 °	38.626881 °	176	
								-121.443253 °	-121.443253 °	Y	DWR ID: DWR_NA0001_01_s_2012_176
27	1.52	1.52	Earthen Levee	Trim / Thin Trees	LS Ma	N	T5 : Tree stumps. Inspector Comments: 5 stumps 14 to 30 Inches in diameter.	38.627224 °	38.627224 °	56	
								-121.442515 °	-121.442515 °	Y	DWR ID: DWR_NA0001_01_s_2012_56
28	1.54	1.54	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping Inspector Comments: Bushes and trees along chain link fence block access and visibility.	38.627281 °	38.627281 °	35	
								-121.442203 °	-121.442203 °	Y	DWR ID: DWR_NA0001_01_s_2012_35
29	1.58	1.58	Earthen Levee	Encroachments	WSA/W Ma	PI	DE : Pipe Inspector Comments: Flap gate appeared to be closed.	38.627244 °	38.627244 °	174	
								-121.441462 °	-121.441462 °	Y	DWR ID: DWR_NA0001_01_s_2012_174
30	1.58	1.58	Earthen Levee	Slope Stability	LS Ma	A/W	S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.	38.627251 °	38.627251 °	54	
								-121.441460 °	-121.441460 °	Y	DWR ID: DWR_NA0001_01_s_2012_54
31	1.59	1.59	Earthen Levee	Trim / Thin Trees	LS Ma	N	T5 : Tree stumps.	38.627335 °	38.627335 °	31	
								-121.441172 °	-121.441172 °	Y	DWR ID: DWR_NA0001_01_f_2012_31
32	1.59	1.59	Earthen Levee	Encroachments	LS En	M	DE : Debris Inspector Comments: Wood rounds and some pieces of pipe may be being stored on levee, need to be removed.	38.627215 °	38.627215 °	37	
								-121.441218 °	-121.441218 °	Y	DWR ID: DWR_NA0001_01_s_2012_37
33	1.65	1.65	Earthen Levee	Trim / Thin Trees	LS Ma	N	T5 : Tree stumps. Inspector Comments: Large stump at levee toe.	38.627289 °	38.627289 °	173	
								-121.440185 °	-121.440185 °	Y	DWR ID: DWR_NA0001_01_s_2012_173
34	1.78	1.78	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: New fence constructed with 7 redwood planted at levee toe.	38.627945 °	38.627945 °	10	
								-121.437903 °	-121.437903 °	Y	DWR ID: DWR_NA0001_01_f_2012_10
35	1.81	1.81	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping Inspector Comments: Growth on old wooden fence, which has since been replaced by a chainlink fence is obstructive.	38.627934 °	38.627934 °	170	
								-121.437423 °	-121.437423 °	Y	DWR ID: DWR_NA0001_01_s_2012_170
36	1.82	1.82	Earthen Levee	Encroachments	LS En	U	BU : Building Inspector Comments: Shed on concrete pad within 10' of the levee toe.	38.627914 °	38.627914 °	169	
								-121.437263 °	-121.437263 °	Y	DWR ID: DWR_NA0001_01_s_2012_169
37	1.82	1.82	Earthen Levee	Encroachments	LS En	U	BU : Building Inspector Comments: Wooden animal pen is built against levee slope.	38.627915 °	38.627915 °	33	
								-121.437246 °	-121.437246 °	Y	DWR ID: DWR_NA0001_01_s_2012_33

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
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American River Flood Control District

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector	
LMR No	Levee Mile		Category	Item	* Location Start	* Rating +	Action/Comment	GPS Latitude/Longitude		Issue No. Start	Photo	
	Levee Mile	Unit No.						Start	End			
38	1.83	1.83	Earthen Levee	Encroachments	LS	M En	FE : Fence Inspector Comments: Dog-eared wooden fence is built near the levee slope and has partially fallen. Bushes are overgrown. Fence has fallen over. Portion of the fence has been replaced.	38.627880 °	38.627880 °	9	-121.437368 °	-121.437368 ° Y
39	1.87	1.87	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping Inspector Comments: Ivy, trees and other landscaping growing on a wooden privacy fence are obstructing visibility.	38.627827 °	38.627827 °	8	-121.436633 °	-121.436633 ° Y
40	1.88	1.88	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping Inspector Comments: Metal sided shelter, blackberries and cherry trees are obstructive.	38.627837 °	38.627837 °	7	-121.436393 °	-121.436393 ° Y
41	1.92	1.92	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Dog-eared wooden fence is built within 10-ft of the levee slope.	38.627725 °	38.627725 °	6	-121.435715 °	-121.435715 ° Y
42	1.93	1.93	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Dog-eared wooden fence is built against the levee slope.	38.627680 °	38.627680 °	5	-121.435555 °	-121.435555 ° Y
43	1.94	1.94	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wooden fence and landscaping completely block visibility.	38.627640 °	38.627640 °	4	-121.435378 °	-121.435378 ° Y
44	1.95	1.95	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Dog-eared wooden fence is built against the levee slope.	38.627595 °	38.627595 °	3	-121.435218 °	-121.435218 ° Y
45	1.95	1.95	Earthen Levee	Encroachments	LS	U En	BU : Building Inspector Comments: Concrete pad and wooden frame structure is being built within 15-ft of levee toe.	38.627589 °	38.627589 °	30	-121.434900 °	-121.434900 ° Y
46	1.95	1.95	Earthen Levee	Encroachments	WSA/W	PI En	PI : Pipe Inspector Comments: Flap gate is blocked by tulies growing in the outfall structure. Gate is blocked in the closed position.	38.627565 °	38.627565 °	168	-121.434818 °	-121.434818 ° Y
47	1.98	1.98	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wooden privacy fence within 10' of the levee toe.	38.627433 °	38.627433 °	167	-121.434341 °	-121.434341 ° Y
48	2.00	2.00	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Vine growing on fence and slope blocks visibility.	38.627318 °	38.627318 °	1	-121.434208 °	-121.434208 ° Y

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
--	---

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek						Left	2.10	11/20/2013 11/20/2013	Maksim Khashchuk

LWR No.	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Start Photo
	Start	End						Start	End	
49	2.02	2.02	Earthen Levee	Encroachments	LS	U	BU : Building En Inspector Comments: Two-story home foundation is within 10-ft of levee toe. Chain link fence is built on levee toe.	38.627292 °	38.627292 °	29 -121.433709 ° -121.433709 ° Y
50	2.04	2.04	Earthen Levee	Encroachments	LS	U	BU : Building En Inspector Comments: Large wooden building behind corrugated metal covered fence is within 10-ft of levee toe.	38.627257 °	38.627257 °	28 -121.433327 ° -121.433327 ° Y
51	2.05	2.05	Earthen Levee	Encroachments	LS	M	BU : Building En Inspector Comments: Pre-fab storage shed is within 10-ft of landside toe.	38.627230 °	38.627230 °	27 -121.433039 ° -121.433039 ° Y

DWR ID: DWR_NA0001_01_s_2012_29

DWR ID: DWR_NA0001_01_s_2012_28

DWR ID: DWR_NA0001_01_s_2012_27

* Location LS : Land Side WS : Water Side CR : Crown

** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
---	---

+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.10	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	4
Start Levee Mile	0.40
End Levee Mile	0.40
Location	Water Side
Category	Earthen Levee
Item	Encroachments
View of the pipe at the waterside levee hinge.	
mkhashch_f_20130923_848.JPG	



Levee Mile Report Line	5
Start Levee Mile	0.48
End Levee Mile	0.48
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
11/17/2011 Hole/depression approximately mid-slope.	
mkhashch_f_20130923_849.jpg	



Levee Mile Report Line	6
Start Levee Mile	0.48
End Levee Mile	0.48
Location	Water Side
Category	Earthen Levee
Item	Animal Control
11/17/2011 Old rodent burrows.	
mkhashch_f_20130923_850.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.10	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	7
Start Levee Mile	0.77
End Levee Mile	0.77
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Wooden privacy fence.	
mkhashch_f_20130923_861.jpg	



Levee Mile Report Line	8
Start Levee Mile	0.80
End Levee Mile	0.80
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the debris at the landside levee toe.	
mkhashch_f_20131120_741.JPG	



Levee Mile Report Line	9
Start Levee Mile	0.95
End Levee Mile	0.95
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Wooden privacy fence built at the levee toe.	
mkhashch_f_20130923_860.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.10	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	11
Start Levee Mile	1.16
End Levee Mile	1.16
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Fence built on the levee slope.	
mkhashch_f_20130923_836.jpg	



Levee Mile Report Line	12
Start Levee Mile	1.17
End Levee Mile	1.17
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Wooden privacy fence built at the levee toe.	
mkhashch_f_20130923_835.jpg	



Levee Mile Report Line	13
Start Levee Mile	1.18
End Levee Mile	1.18
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Wooden privacy fence built at the levee toe.	
mkhashch_f_20130923_834.jpg	



* Location LS : Land Side WS : Water Side CR : Crown

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+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.10	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	14
Start Levee Mile	1.19
End Levee Mile	1.19
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Photo of solid fences built against the levee slope.

mkhashch_f_20130923_833.jpg



Levee Mile Report Line	15
Start Levee Mile	1.26
End Levee Mile	1.26
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Fall 2009 photo: Buildings and fence near levee toe.

mkhashch_f_20130923_832.jpg



Levee Mile Report Line	17
Start Levee Mile	1.35
End Levee Mile	1.35
Location	Land Side
Category	Earthen Levee
Item	Encroachments

11/17/2011 Wooden privacy fence built at the levee toe. Levee slope is being used to support the fence.

mkhashch_f_20130923_831.jpg



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.10	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	18
Start Levee Mile	1.35
End Levee Mile	1.35
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
11/17/2011 Two stumps at levee toe.	
mkhashch_f_20130923_859.jpg	



Levee Mile Report Line	19
Start Levee Mile	1.37
End Levee Mile	1.37
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Wooden privacy fence built at the levee toe.	
mkhashch_f_20130923_830.jpg	



Levee Mile Report Line	20
Start Levee Mile	1.38
End Levee Mile	1.38
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Fall 2009 photo: Wooden and wire fence are within 10-ft of levee toe.	
mkhashch_f_20130923_829.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.10	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	21
Start Levee Mile	1.39
End Levee Mile	1.39
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Wooden privacy fence built at the levee toe.	
mkhashch_f_20130923_828.jpg	



Levee Mile Report Line	22
Start Levee Mile	1.40
End Levee Mile	1.40
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Shed and firewood can be seen through the chainlink fence.	
mkhashch_f_20130923_845.jpg	



Levee Mile Report Line	23
Start Levee Mile	1.41
End Levee Mile	1.41
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 New wooden privacy fence built within 15' of the levee toe.	
mkhashch_f_20130923_827.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.10	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	24
Start Levee Mile	1.42
End Levee Mile	1.42
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Wooden privacy fence built within 15' of the levee toe.	
mhashch_f_20130923_826.jpg	



Levee Mile Report Line	25
Start Levee Mile	1.43
End Levee Mile	1.43
Location	Land Side
Category	Earthen Levee
Item	Vegetation
11/17/2011 Thick vegetation at the levee toe.	
mhashch_f_20130923_858.jpg	



Levee Mile Report Line	26
Start Levee Mile	1.48
End Levee Mile	1.48
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Wooden privacy fence built within 15' of the levee toe.	
mhashch_f_20130923_857.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.10	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	27
Start Levee Mile	1.52
End Levee Mile	1.52
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Several large stumps on levee slope.	
mkhashch_f_20130923_847.jpg	



Levee Mile Report Line	28
Start Levee Mile	1.54
End Levee Mile	1.54
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Fall 2009 photo: Vegetation obstructing visibility near levee slope.	
mkhashch_f_20130923_843.jpg	



Levee Mile Report Line	29
Start Levee Mile	1.58
End Levee Mile	1.58
Location	Water Side
Category	Earthen Levee
Item	Encroachments
View of flap gate.	
mkhashch_f_20130923_856.JPG	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.10	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	30
Start Levee Mile	1.58
End Levee Mile	1.58
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
Slope stability due to foot traffic needs to be monitored.	
mkhashch_f_20130923_846.jpg	



Levee Mile Report Line	31
Start Levee Mile	1.59
End Levee Mile	1.59
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
View of large tree stump at levee toe.	
mkhashch_f_20130923_841.JPG	



Levee Mile Report Line	32
Start Levee Mile	1.59
End Levee Mile	1.59
Location	Land Side
Category	Earthen Levee
Item	Encroachments
04/13/2011 Items appear to be stored on levee, need to be removed.	
mkhashch_f_20130923_844.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.10	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	33
Start Levee Mile	1.65
End Levee Mile	1.65
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
11/17/2011 Stump at levee toe.	
mkhashch_f_20130923_855.jpg	



Levee Mile Report Line	34
Start Levee Mile	1.78
End Levee Mile	1.78
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of new fence constructed at levee toe and 7 redwood trees planted behind fence within easement.	
mkhashch_f_20130923_825.JPG	



Levee Mile Report Line	35
Start Levee Mile	1.81
End Levee Mile	1.81
Location	Land Side
Category	Earthen Levee
Item	Vegetation
11/17/2011 Growth on existing wooden fence is obstructive.	
mkhashch_f_20130923_854.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.10	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	36
Start Levee Mile	1.82
End Levee Mile	1.82
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Wooden shed on concrete pad built within 15' of levee toe.	
mkhashch_f_20130923_853.jpg	



Levee Mile Report Line	37
Start Levee Mile	1.82
End Levee Mile	1.82
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Wooden structure is built within 15' of the levee toe.	
mkhashch_f_20130923_842.jpg	



Levee Mile Report Line	38
Start Levee Mile	1.83
End Levee Mile	1.83
Location	Land Side
Category	Earthen Levee
Item	Encroachments
04/13/2011 Portion of fence has been replaced, assume that this is the portion that fell down and was referenced in the fall '10 inspection.	
mkhashch_f_20130923_824.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.10	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	39
Start Levee Mile	1.87
End Levee Mile	1.87
Location	Land Side
Category	Earthen Levee
Item	Vegetation
11/17/2011 Landscaping vegetation growth on the fence is obstructive.	
mkhashch_f_20130923_823.jpg	



Levee Mile Report Line	40
Start Levee Mile	1.88
End Levee Mile	1.88
Location	Land Side
Category	Earthen Levee
Item	Vegetation
11/17/2011 Blackberries growing on fence are obstructive.	
mkhashch_f_20130923_822.jpg	



Levee Mile Report Line	41
Start Levee Mile	1.92
End Levee Mile	1.92
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Wooden privacy fence built at the levee toe.	
mkhashch_f_20130923_821.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.10	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	42
Start Levee Mile	1.93
End Levee Mile	1.93
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Wooden privacy fence built at the levee toe.	
mkhashch_f_20130923_820.jpg	



Levee Mile Report Line	43
Start Levee Mile	1.94
End Levee Mile	1.94
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Wooden privacy fence built at the levee toe.	
mkhashch_f_20130923_819.jpg	



Levee Mile Report Line	44
Start Levee Mile	1.95
End Levee Mile	1.95
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Fall 2009 photo: Wooden fence built on levee slope.	
mkhashch_f_20130923_818.jpg	



* Location LS : Land Side WS : Water Side CR : Crown
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.10	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	45
Start Levee Mile	1.95
End Levee Mile	1.95
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Building on concrete pad being built within 15' of the levee toe.	
mkhashch_f_20131120_740.JPG	



Levee Mile Report Line	46
Start Levee Mile	1.95
End Levee Mile	1.95
Location	Water Side
Category	Earthen Levee
Item	Encroachments
View of properly closed flap gate.	
mkhashch_f_20130923_852.jpg	



Levee Mile Report Line	47
Start Levee Mile	1.98
End Levee Mile	1.98
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Wooden privacy fence built at the levee toe.	
mkhashch_f_20130923_851.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.10	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	48
Start Levee Mile	2.00
End Levee Mile	2.00
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of the fence and landscaping at the landside levee toe.	
	
mhashch_f_20131120_739.JPG	

Levee Mile Report Line	49
Start Levee Mile	2.02
End Levee Mile	2.02
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Building foundation is within 15' of the levee toe.	
	
mhashch_f_20130923_839.jpg	

Levee Mile Report Line	50
Start Levee Mile	2.04
End Levee Mile	2.04
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Wooden structure is within 15' of the levee toe.	
	
mhashch_f_20130923_838.jpg	

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CR : Crown

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Arcade Creek	Left	2.10	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	51
Start Levee Mile	2.05
End Levee Mile	2.05
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Wooden structure is within 15' of the levee toe.	
mkhashch_f_20130923_837.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

American River Flood Control District

Waterway			Bank	Unit Miles
Unit No. 02 Natomas E Canal			Left	3.95
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/27/2013 - 03/27/2013		11/20/2013 - 11/20/2013	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Richard Marck ARFCDD		Richard Marck ARFCDD	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
LMR No.	Levee Mile		Category	Item	* Location	* Rating	Action/Comment			GPS Latitude/Longitude	Issue No.
	Start	End					Start	End	Photo		
1	0.28	0.28	Earthen Levee	Encroachments	WS En	M PO : Pole	Inspector Comments: Power pole in levee			38.605822 ° -121.468078 °	38.605822 ° -121.468078 ° Y
										DWR ID: DWR_NA0001_02_s_2012_2	
2	0.77	0.77	Earthen Levee	Encroachments	CR Ob	A/W PI : Pipe	Inspector Comments: Manhole access to pipes on hinge point.			38.612234 ° -121.466633 °	38.612234 ° -121.466633 ° Y
										DWR ID: DWR_NA0001_02_s_2012_7	
3	1.22	1.22	Earthen Levee	Crown Surface / Depressions / Rutting	CR Ma	C C2 : Repair depressions or ruts in the crown or slope.				38.619018 ° -121.467563 °	38.619018 ° -121.467563 °
										DWR ID: DWR_NA0001_02_s_2013_9	
4	1.56	1.56	Earthen Levee	Encroachments	CR En	A/W PI : Pipe				38.623556 ° -121.468492 °	38.623556 ° -121.468492 °
										DWR ID: DWR_NA0001_02_s_2013_8	
5	2.33	2.33	Earthen Levee	Erosion / Bank Caving	LS Ob	A/W E1 : Note and monitor erosion site.	Inspector Comments: Monitor erosion at this location. Also noted in USACE PI.			38.634446 ° -121.470573 °	38.634446 ° -121.470573 ° Y
										DWR ID: DWR_NA0001_02_s_2012_150	
6	2.52	2.52	Earthen Levee	Encroachments	LS En	M MA : Material	Inspector Comments: Railroad rails on landside levee slope.			38.637177 ° -121.471076 °	38.637177 ° -121.471076 ° Y
										DWR ID: DWR_NA0001_02_f_2013_11	
7	2.92	2.92	Earthen Levee	Slope Stability	LS Ob	A/W S1 : Repair slope instability.	Inspector Comments: Monitor this location.			38.642898 ° -121.472067 °	38.642898 ° -121.472067 ° Y
										DWR ID: DWR_NA0001_02_f_2012_6	

* Location LS : Land Side WS : Water Side CR : Crown

** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
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+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.95	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.28
End Levee Mile	0.28
Location	Water Side
Category	Earthen Levee
Item	Encroachments
04/13/2011 Power pole is in the levee on the water side.	
mhashch_f_20130923_862.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.77
End Levee Mile	0.77
Location	Crown
Category	Earthen Levee
Item	Encroachments
View of the pipe access at the landside levee hinge.	
mhashch_f_20130923_864.JPG	



Levee Mile Report Line	5
Start Levee Mile	2.33
End Levee Mile	2.33
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
11/16/2011 Depressions present on levee slope.	
mhashch_f_20130923_865.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Natomas E Canal	Left	3.95	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	5
Start Levee Mile	2.33
End Levee Mile	2.33
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
03/14/2012 Photo shows depression, the issue has not gotten any worse since the fall 2011 inspection.	
mkhashch_f_20130923_866.jpg	



Levee Mile Report Line	6
Start Levee Mile	2.52
End Levee Mile	2.52
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the rails at the landside levee toe.	
mkhashch_f_20131120_731.JPG	



Levee Mile Report Line	7
Start Levee Mile	2.92
End Levee Mile	2.92
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
View of landside slope instability.	
mkhashch_f_20131120_730.JPG	



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

American River Flood Control District

Waterway			Bank	Unit Miles
Unit No. 03 American River			Right	2.78
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/21/2013 - 03/21/2013		11/18/2013 - 11/18/2013	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Richard Marck ARFCDF		Richard Marck ARFCDF	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

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The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 American River								Right	2.78	11/18/2013 11/18/2013	Maksim Khashchuk
LMR No.	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End		
1	0.74	0.74	Earthen Levee	Trim / Thin Trees	LS Ma	N	T5 : Tree stumps. Inspector Comments: Tree stump >2" Dia.	38.589359 ° -121.430990 °	38.589359 ° -121.430990 °	11 Y	
										DWR ID: DWR_NA0001_03_s_2012_11	
2	1.72	1.72	Earthen Levee	Animal Control	WS Ma	C	A1 : Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Numerous (>5 in 25' length) active rodent burrows.	38.595027 ° -121.446797 °	38.595027 ° -121.446797 °	89 Y	
										DWR ID: DWR_NA0001_03_s_2012_89	
3	1.80	1.80	Earthen Levee	Slope Stability	LS Ma	M	S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.	38.595700 ° -121.448198 °	38.595700 ° -121.448198 °	9 Y	
										DWR ID: DWR_NA0001_03_s_2012_9	
4	2.60	2.60	Earthen Levee	Encroachments	CR En	A/W	PI : Pipe Inspector Comments: Access on landside crown	38.594550 ° -121.462505 °	38.594550 ° -121.462505 °	7 Y	
										DWR ID: DWR_NA0001_03_s_2012_7	
5	2.87	2.87	Earthen Levee	Encroachments	CR Ob	C	PI : Pipe Inspector Comments: Access to valve on crown.	38.596013 ° -121.467047 °	38.596013 ° -121.467047 °	6 Y	
										DWR ID: DWR_NA0001_03_s_2012_6	
6	3.14	3.14	Earthen Levee	Animal Control	LS Ma	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	38.599141 ° -121.470227 °	38.599141 ° -121.470227 °	1 Y	
										DWR ID: DWR_NA0001_03_f_2013_1	

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+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 American River	Right	2.78	11/18/2013 11/18/2013	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.74
End Levee Mile	0.74
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Tree stump on levee slope greater than 2" Dia.	
mkhashch_f_20130923_868.jpg	



Levee Mile Report Line	3
Start Levee Mile	1.80
End Levee Mile	1.80
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
View of the erosion on landside levee slope due to pedestrian traffic.	
mkhashch_f_20131120_712.JPG	



Levee Mile Report Line	6
Start Levee Mile	3.14
End Levee Mile	3.14
Location	Land Side
Category	Earthen Levee
Item	Animal Control
View of the rodent holes on the landside levee slope.	
mkhashch_f_20131120_711.JPG	



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

American River Flood Control District

Waterway			Bank	Unit Miles
Unit No. 04 American River			Left	10.97
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/19/2013 - 03/21/2013		11/19/2013 - 11/20/2013	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Richard Marck ARFCDF		Richard Marck ARFCDF	

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- c) corrections to deficiencies noted in this report

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
LMR No.	Levee Mile		Category	Item	* Location Start	* Rating +	Action/Comment	GPS Latitude/Longitude		Issue No. Start	Photo
	Levee Mile	Unit Miles						Start	End		
1	0.23	0.23	Earthen Levee	Vegetation	CR	M En	V6 : Landscaping Inspector Comments: Landscaping on levee crown at overpass.	38.598980 °	38.598980 °	177	-121.504773 ° -121.504773 ° Y
											DWR ID: DWR_NA0001_04_s_2012_177
2	0.32	0.46	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Vines and privacy fence within 10-ft of the landside toe or on the levee slope obstruct visibility and access.	38.599835 °	38.600769 °	1	-121.503448 ° -121.501133 ° Y
											DWR ID: DWR_NA0001_04_s_2012_1
3	0.41	0.41	Earthen Levee	Encroachments	CR A/W	P I En	PI : Pipe Inspector Comments: Abandoned pipe in levee	38.600360 °	38.600360 °	242	-121.501910 ° -121.501910 ° Y
											DWR ID: DWR_NA0001_04_s_2012_242
4	0.61	0.61	Earthen Levee	Trim / Thin Trees	LS	N Ma	T5 : Tree stumps.	38.601380 °	38.601380 °	212	-121.498533 ° -121.498533 °
											DWR ID: DWR_NA0001_04_f_2013_212
5	0.85	0.85	Earthen Levee	Encroachments	LS	M En	RA : Ramp Inspector Comments: Old bicycle ramp has not been properly removed and graded.	38.601688 °	38.601688 °	67	-121.494286 ° -121.494286 ° Y
											DWR ID: DWR_NA0001_04_s_2013_67
6	0.94	0.94	Earthen Levee	Encroachments	CR A/W	P I En	PI : Pipe Inspector Comments: Printing shop discharge.	38.601642 °	38.601642 °	244	-121.492620 ° -121.492620 ° Y
											DWR ID: DWR_NA0001_04_s_2012_244
7	1.62	1.62	Supplemental USACE Erosion Survey	WS	M Ma		Inspector Comments: 2012: New erosion site. Located just downstream of older repair. Failing rock at the upstream end. Erosion of the bank has exposed large tree roots. [2012 Site ID: LAR_1-8_L]	38.598791 °	38.599095 °	7	-121.479799 ° -121.480337 ° Y
											DWR ID:
8	1.69	1.78	Earthen Levee	Encroachments	WS	A En	LI : Landscape Irrigation Inspector Comments: Irrigation installed in 2004 by SAFCFA for revet site.	38.598533 °	38.597579 °	174	-121.479840 ° -121.478786 ° Y
											DWR ID: DWR_NA0001_04_s_2013_174
9	1.73	1.73	Earthen Levee	Vegetation	LS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	38.598088 °	38.598088 °	182	-121.479150 ° -121.479150 °
											DWR ID: DWR_NA0001_04_f_2012_182
10	2.50	2.50	Earthen Levee	Vegetation	LS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	38.589590 °	38.589590 °	184	-121.470524 ° -121.470524 ° Y
											DWR ID: DWR_NA0001_04_s_2012_184
11	2.68	2.68	Earthen Levee	Encroachments	LS	U En	BU : Building Inspector Comments: Bell Marine	38.588913 °	38.588913 °	2	-121.467210 ° -121.467210 ° Y
											DWR ID: DWR_NA0001_04_s_2012_2
12	2.73	2.86	Earthen Levee	Encroachments	LS	M En	EQ : Equipment Inspector Comments: Bell Marine, LMA sent a letter to property owner for the violation.	38.587939 °	38.587299 °	3	-121.466635 ° -121.464320 ° Y
											DWR ID: DWR_NA0001_04_s_2012_3
13	2.75	2.75	Earthen Levee	Vegetation	CR	M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	38.587778 °	38.587778 °	247	-121.466313 ° -121.466313 °
											DWR ID: DWR_NA0001_04_s_2012_247

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
LMR No	Levee Mile		Category	Item	* Location Start	* Rating +	Action/Comment	GPS Latitude/Longitude		Issue No. Start	Photo
	Levee Mile	Start						Start	End		
14	2.84	2.84	Earthen Levee	Encroachments	WS Ma	M	DE : Debris Inspector Comments: Bell Marine, LMA sent a letter to the property owner for this violation.	38.587272 °	38.587272 °	4	-121.464768 °
								-121.464768 °	-121.464768 °	Y	DWR ID: DWR_NA0001_04_s_2012_4
15	2.86	2.86	Earthen Levee	Vegetation	WS Ma	M	V4 : Elderberries are blocking visibility and flood fight capability.	38.587293 °	38.587293 °	248	-121.464338 °
								-121.464338 °	-121.464338 °	Y	DWR ID: DWR_NA0001_04_s_2012_248
16	2.92	2.96	Earthen Levee	Encroachments	LS En	U	BU : Building Inspector Comments: City of Sacramento building. Building is now Sutter's Landing Skate Park.	38.587251 °	38.587318 °	5	-121.463237 °
								-121.462513 °	-121.462513 °	Y	DWR ID: DWR_NA0001_04_s_2012_5
17	3.73	3.73	Earthen Levee	Encroachments	CR A/W En	Pi	PI : Pipe	38.587723 °	38.587723 °	250	-121.449595 °
								-121.449595 °	-121.449595 °	Y	DWR ID: DWR_NA0001_04_s_2012_250
18	3.88	3.88	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Bamboo privacy fence within 10-ft of the landside toe obstructs visibility.	38.586327 °	38.586327 °	8	-121.447373 °
								-121.447373 °	-121.447373 °	Y	DWR ID: DWR_NA0001_04_s_2012_8
19	3.90	3.90	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Privacy fence within 10-ft of the landside toe obstructs visibility. 04/14/2011 Landscaping has been removed.	38.586154 °	38.586154 °	6	-121.447115 °
								-121.447115 °	-121.447115 °	Y	DWR ID: DWR_NA0001_04_s_2012_6
20	3.91	3.91	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Wooden privacy fence on the levee slope obstructs access and visibility.	38.586047 °	38.586047 °	9	-121.446975 °
								-121.446975 °	-121.446975 °	Y	DWR ID: DWR_NA0001_04_s_2012_9
21	3.95	3.95	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Privacy fence and landscaping within 10-ft of the levee toe obstruct access and visibility.	38.585639 °	38.585639 °	11	-121.446451 °
								-121.446451 °	-121.446451 °	Y	DWR ID: DWR_NA0001_04_s_2012_11
22	3.96	3.96	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Privacy fence and landscaping within 10-ft of the levee toe obstruct access and visibility.	38.585496 °	38.585496 °	12	-121.446309 °
								-121.446309 °	-121.446309 °	Y	DWR ID: DWR_NA0001_04_s_2012_12
23	3.97	3.97	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping Inspector Comments: Landscaping completely blocks visibility.	38.585385 °	38.585385 °	112	-121.446168 °
								-121.446168 °	-121.446168 °	Y	DWR ID: DWR_NA0001_04_s_2012_112
24	3.98	3.98	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Pink cement block fence obstructs access and visibility.	38.585325 °	38.585325 °	13	-121.446059 °
								-121.446059 °	-121.446059 °	Y	DWR ID: DWR_NA0001_04_s_2012_13
25	4.00	4.00	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Privacy fence and helix pencil shrubs planted within 10-ft of the levee toe obstruct access and visibility.	38.585175 °	38.585175 °	14	-121.445883 °
								-121.445883 °	-121.445883 °	Y	DWR ID: DWR_NA0001_04_s_2012_14

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+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
MR No	Levee Mile		Category	Item	* Location Start	* Rating +	Action/Comment	GPS Latitude/Longitude		Issue No. Start	Photo
	Levee Mile	Start						Start	End		
26	4.01	4.01	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Privacy fence and evergreen shrub landscaping within 10-ft of the levee toe obstruct access and visibility.	38.585021 °	38.585021 °	15	-121.445678 ° -121.445678 ° Y
											DWR ID: DWR_NA0001_04_s_2012_15
27	4.02	4.02	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Privacy fence and landscaping within 10-ft of the levee toe obstruct access and visibility.	38.584885 °	38.584885 °	16	-121.445520 ° -121.445520 ° Y
											DWR ID: DWR_NA0001_04_s_2012_16
28	4.03	4.03	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Privacy fence and maple tree landscaping within 10-ft of the levee toe obstruct access and visibility.	38.584810 °	38.584810 °	17	-121.445403 ° -121.445403 ° Y
											DWR ID: DWR_NA0001_04_s_2012_17
29	4.04	4.04	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden fence between orange trees is within 10-ft of the levee toe.	38.584694 °	38.584694 °	18	-121.445255 ° -121.445255 ° Y
											DWR ID: DWR_NA0001_04_s_2012_18
30	4.07	4.07	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Privacy fence within 10-ft of the levee toe obstruct access and visibility.	38.584459 °	38.584459 °	19	-121.444951 ° -121.444951 ° Y
											DWR ID: DWR_NA0001_04_s_2012_19
31	4.08	4.08	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En Inspector Comments: Landscaping on cyclone fence within 10-ft of levee toe obstructs access and visibility.	38.584354 °	38.584354 °	186	-121.444792 ° -121.444792 ° Y
											DWR ID: DWR_NA0001_04_s_2012_186
32	4.09	4.09	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Privacy fence and shed within 10-ft of the levee toe obstruct access and visibility.	38.584243 °	38.584243 °	20	-121.444647 ° -121.444647 ° Y
											DWR ID: DWR_NA0001_04_s_2012_20
33	4.10	4.10	Earthen Levee	Vegetation	LS	U	V6 : Landscaping En Inspector Comments: Palms and other landscaping on levee slope, as well as the wooden privacy fence within 10-ft of the levee toe obstruct access and visibility. 04/14/2011 Palms have been removed.	38.584129 °	38.584129 °	21	-121.444485 ° -121.444485 ° Y
											DWR ID: DWR_NA0001_04_s_2012_21
34	4.11	4.11	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Cement block and wooden fence as well as the landscape planting are within 10-ft of the levee slope and obstruct access and visibility.	38.584034 °	38.584034 °	22	-121.444322 ° -121.444322 ° Y
											DWR ID: DWR_NA0001_04_s_2012_22
35	4.12	4.12	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Cement block and wooden fence obstruct visibility.	38.583935 °	38.583935 °	23	-121.444150 ° -121.444150 ° Y
											DWR ID: DWR_NA0001_04_s_2012_23
36	4.13	4.13	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En Inspector Comments: Orange, guava and other trees and landscaping obstruct access and visibility.	38.583858 °	38.583858 °	187	-121.443981 ° -121.443981 ° Y
											DWR ID: DWR_NA0001_04_s_2012_187

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River								Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk
MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End		
37	4.15	4.15	Earthen Levee	Encroachments	LS	M En	FE : Fence Inspector Comments: Cement block fence with iron top built into levee slope. Landscaping within 10-ft of the levee toe obstruct access and visibility.	38.583749 ° -121.443820 °	38.583749 ° -121.443820 °	188	
										DWR ID: DWR_NA0001_04_s_2012_188	
38	4.16	4.16	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Retaining wall is built into the levee slope. Steps, rail and landscaping on the levee slope.	38.583652 ° -121.443640 °	38.583652 ° -121.443640 °	189	
										DWR ID: DWR_NA0001_04_s_2012_189	
39	4.17	4.17	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping Inspector Comments: Planter boxes built into levee slope. Wooden fence obstructs visibility. Pool is just outside 10-ft from levee toe.	38.583559 ° -121.443485 °	38.583559 ° -121.443485 °	190	
										DWR ID: DWR_NA0001_04_s_2012_190	
40	4.19	4.19	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wooden privacy fence within 10-ft of the levee toe obstruct access and visibility.	38.583355 ° -121.443123 °	38.583355 ° -121.443123 °	191	
										DWR ID: DWR_NA0001_04_s_2012_191	
41	4.21	4.21	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wooden privacy fence obstructs visibility. Retaining wall built into levee toe. 04/14/2011 retaining wall removed.	38.583265 ° -121.442965 °	38.583265 ° -121.442965 °	24	
										DWR ID: DWR_NA0001_04_s_2012_24	
42	4.23	4.23	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping Inspector Comments: Ivy and vine growth on cyclone fence obstruct visibility. Steps and landscaping built up levee slope.	38.583031 ° -121.442620 °	38.583031 ° -121.442620 °	192	
										DWR ID: DWR_NA0001_04_s_2012_192	
43	4.25	4.25	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Landscaping on chain link fence partially obstructs visibility.	38.582824 ° -121.442298 °	38.582824 ° -121.442298 °	193	
										DWR ID: DWR_NA0001_04_s_2012_193	
44	4.27	4.27	Earthen Levee	Encroachments	LS	M En	FE : Fence Inspector Comments: Planting boxes built into levee slope. 04/14/2011 Planter boxes removed. Chainlink fence partially obstructs access.	38.582716 ° -121.442128 °	38.582716 ° -121.442128 °	194	
										DWR ID: DWR_NA0001_04_s_2012_194	
45	4.29	4.29	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wooden fence within 10-ft of the levee toe. Garden and ramp built on levee slope.	38.582479 ° -121.441768 °	38.582479 ° -121.441768 °	26	
										DWR ID: DWR_NA0001_04_s_2012_26	
46	4.31	4.31	Earthen Levee	Encroachments	LS	M En	FE : Fence Inspector Comments: Landscaping planted on levee slope. 04/14/2011 Landscaping removed, chainlink fence remains.	38.582333 ° -121.441506 °	38.582333 ° -121.441506 °	195	
										DWR ID: DWR_NA0001_04_s_2012_195	

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
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	Start	End						Start	End		
47	4.33	4.33	Earthen Levee	Encroachments	LS	U	FE : Fence Inspector Comments: Wooden privacy fence obstructs visibility.	38.582223 °	38.582223 °	27	-121.441264 ° -121.441264 ° Y
											DWR ID: DWR_NA0001_04_s_2012_27
48	4.33	4.33	Earthen Levee	Encroachments	LS	U	FE : Fence Inspector Comments: Cement block fence obstructs access and visibility.	38.582186 °	38.582186 °	28	-121.441160 ° -121.441160 ° Y
											DWR ID: DWR_NA0001_04_s_2012_28
49	4.35	4.35	Earthen Levee	Encroachments	LS	M	FE : Fence Inspector Comments: Large flowering bush on levee slope - removed by ARFC 2012. Retaining wall removed by ARFC 2012. Wooden fence located at the levee toe obstructs access and visibility. 04/14/2011	38.582083 °	38.582083 °	29	-121.440875 ° -121.440875 ° Y
											DWR ID: DWR_NA0001_04_s_2012_29
50	4.37	4.37	Earthen Levee	Encroachments	LS	M	FE : Fence Inspector Comments: Picket fence on retaining wall within 10-ft of levee slope obstructs visibility.	38.581937 °	38.581937 °	196	-121.440479 ° -121.440479 °
											DWR ID: DWR_NA0001_04_s_2012_196
51	4.40	4.40	Earthen Levee	Encroachments	LS	U	FE : Fence Inspector Comments: Privacy fence and landscaping within 10-ft of the levee toe obstruct access and visibility.	38.581788 °	38.581788 °	198	-121.440086 ° -121.440086 ° Y
											DWR ID: DWR_NA0001_04_s_2012_198
52	4.41	4.41	Earthen Levee	Encroachments	LS	U	FE : Fence Inspector Comments: Privacy fence and landscaping within 10-ft of the levee toe obstruct access and visibility.	38.581724 °	38.581724 °	30	-121.439891 ° -121.439891 ° Y
											DWR ID: DWR_NA0001_04_s_2012_30
53	4.45	4.45	Earthen Levee	Encroachments	LS	U	FE : Fence Inspector Comments: Privacy fence within 10-ft of the levee toe obstructs access and visibility.	38.581495 °	38.581495 °	31	-121.439129 ° -121.439129 ° Y
											DWR ID: DWR_NA0001_04_s_2012_31
54	4.49	4.49	Earthen Levee	Vegetation	LS	M	V6 : Landscaping Inspector Comments: Large photinia obstructs visibility.	38.581359 °	38.581359 °	33	-121.438524 ° -121.438524 °
											DWR ID: DWR_NA0001_04_s_2012_33
55	4.50	4.50	Earthen Levee	Vegetation	WS	M	V4 : Elderberries are blocking visibility and flood fight capability.	38.581320 °	38.581320 °	253	-121.438263 ° -121.438263 ° Y
											DWR ID: DWR_NA0001_04_s_2012_253
56	4.51	4.51	Earthen Levee	Vegetation	LS	M	V6 : Landscaping Inspector Comments: Landscaping on levee slope obstructs visibility.	38.581282 °	38.581282 °	34	-121.438169 ° -121.438169 °
											DWR ID: DWR_NA0001_04_s_2012_34
57	4.52	4.52	Earthen Levee	Encroachments	LS	U	FE : Fence Inspector Comments: Wooden fence within 10-ft of the levee toe obstructs access and visibility.	38.581246 °	38.581246 °	35	-121.438033 ° -121.438033 ° Y
											DWR ID: DWR_NA0001_04_s_2012_35
58	4.53	4.53	Earthen Levee	Encroachments	LS	U	FE : Fence Inspector Comments: Wooden fence is within 10-ft of the levee toe.	38.581205 °	38.581205 °	199	-121.437830 ° -121.437830 ° Y
											DWR ID: DWR_NA0001_04_s_2012_199

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Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River								Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk
MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End		
59	4.54	4.54	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Privacy fence, persimmon tree and landscaping within 10-ft of the levee toe obstruct access and visibility.	38.581178 ° -121.437584 °	38.581178 ° -121.437584 °	200 Y	
										DWR ID: DWR_NA0001_04_s_2012_200	
60	4.55	4.55	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Privacy fence within 10-ft of the levee toe obstruct access and visibility.	38.581155 ° -121.437320 °	38.581155 ° -121.437320 °	201 Y	
										DWR ID: DWR_NA0001_04_s_2012_201	
61	4.57	4.57	Earthen Levee	Encroachments	LS En	M	FE : Fence Inspector Comments: Privacy fence near pump station limits access and visibility.	38.581153 ° -121.437079 °	38.581153 ° -121.437079 °	36 Y	
										DWR ID: DWR_NA0001_04_s_2012_36	
62	4.60	4.60	Earthen Levee	Encroachments	CR En	U	PI : Pipe Inspector Comments: Temporary pipes crossing the levee as part of USACE slurry wall project.	38.581089 ° -121.436472 °	38.581089 ° -121.436472 °	204 Y	
										DWR ID: DWR_NA0001_04_f_2013_204	
63	4.65	4.65	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping Inspector Comments: Trees and vines on the levee toe obstruct visibility.	38.580944 ° -121.435651 °	38.580944 ° -121.435651 °	37 Y	
										DWR ID: DWR_NA0001_04_s_2012_37	
64	4.67	4.67	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping Inspector Comments: Landscape planting within 10-ft of the landside toe against 3-ft wooden slat fence.	38.580910 ° -121.435324 °	38.580910 ° -121.435324 °	38 Y	
										DWR ID: DWR_NA0001_04_s_2012_38	
65	4.69	4.69	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping Inspector Comments: Privacy fence and landscaping within 10-ft of the levee toe obstruct access and visibility.	38.580840 ° -121.434901 °	38.580840 ° -121.434901 °	39 Y	
										DWR ID: DWR_NA0001_04_s_2012_39	
66	4.72	4.72	Earthen Levee	Encroachments	LS En	M	DE : Debris Inspector Comments: PVC pipe and debris, also noted in USACE PI.	38.580778 ° -121.434467 °	38.580778 ° -121.434467 °	739 Y	
										DWR ID: DWR_NA0001_04_s_2012_739	
67	4.73	4.73	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Privacy fence within 10-ft of the levee toe obstruct access and visibility.	38.580759 ° -121.434294 °	38.580759 ° -121.434294 °	40 Y	
										DWR ID: DWR_NA0001_04_s_2012_40	
68	4.74	4.74	Earthen Levee	Encroachments	LS En	M	FE : Fence Inspector Comments: Privacy fence and landscaping within 10-ft of the levee toe obstruct access and visibility.	38.580753 ° -121.434077 °	38.580753 ° -121.434077 °	41 Y	
										DWR ID: DWR_NA0001_04_s_2012_41	
69	4.75	4.75	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Privacy fence within 10-ft of the levee toe obstruct access and visibility.	38.580741 ° -121.433899 °	38.580741 ° -121.433899 °	42 Y	
										DWR ID: DWR_NA0001_04_s_2012_42	

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American River Flood Control District

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
MR No	Levee Mile		Category	Item	* Location Start	* Rating +	Action/Comment			GPS Latitude/Longitude	Issue No.
	Start	End					Start	End	Photo		
70	4.77	4.77	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Privacy fence and storage sheds within 10-ft of the levee toe obstruct access and visibility.	38.580731 ° -121.433490 °	38.580731 ° -121.433490 °	43 Y
										DWR ID: DWR_NA0001_04_s_2012_43	
71	4.82	4.82	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Privacy fence and landscape prunings on levee slope and toe.prunings removed. Fence obstructs access and visibility.	38.580723 ° -121.432577 °	38.580723 ° -121.432577 °	205 Y
										DWR ID: DWR_NA0001_04_s_2012_205	
72	4.85	4.85	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En	Inspector Comments: Lemon tree and vines obstruct visibility.	38.580747 ° -121.432039 °	38.580747 ° -121.432039 °	44 Y
										DWR ID: DWR_NA0001_04_s_2012_44	
73	4.87	4.87	Earthen Levee	Vegetation	LS	U	V6 : Landscaping En	Inspector Comments: Fig tree obstructs visibility and access.	38.580778 ° -121.431704 °	38.580778 ° -121.431704 °	206 Y
										DWR ID: DWR_NA0001_04_s_2012_206	
74	4.87	4.87	Earthen Levee	Encroachments	LS	U	BU : Building En	Inspector Comments: Wooden shed is located beneath the fig tree.	38.580767 ° -121.431684 °	38.580767 ° -121.431684 °	96 Y
										DWR ID: DWR_NA0001_04_s_2012_96	
75	4.90	4.90	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En	Inspector Comments: Garden activities obstruct visibility within 10-ft of the levee toe.	38.580809 ° -121.431274 °	38.580809 ° -121.431274 °	207 Y
										DWR ID: DWR_NA0001_04_s_2012_207	
76	4.93	4.93	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Wooden fence with bracing obstructs access and visibility.	38.580846 ° -121.430699 °	38.580846 ° -121.430699 °	45 Y
										DWR ID: DWR_NA0001_04_s_2012_45	
77	5.08	5.08	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Privacy fence and landscaping within 10-ft of the levee toe obstruct access and visibility.	38.581001 ° -121.427854 °	38.581001 ° -121.427854 °	46 Y
										DWR ID: DWR_NA0001_04_s_2012_46	
78	5.13	5.13	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Privacy fence and landscaping within 10-ft of the levee toe obstruct access and visibility.	38.580913 ° -121.427119 °	38.580913 ° -121.427119 °	208 Y
										DWR ID: DWR_NA0001_04_s_2012_208	
79	5.15	5.15	Earthen Levee	Encroachments	LS	M	FE : Fence En	Inspector Comments: Chain link fence, helix sky pencil, and landscaping within 10-ft of the levee toe obstruct access and visibility.	38.580773 ° -121.426691 °	38.580773 ° -121.426691 °	47 Y
										DWR ID: DWR_NA0001_04_s_2012_47	
80	5.17	5.17	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Wood privacy fence and landscaping within 10-ft of the levee toe obstruct access and visibility.	38.580622 ° -121.426372 °	38.580622 ° -121.426372 °	48 Y
										DWR ID: DWR_NA0001_04_s_2012_48	

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L/MR No.	Levee Mile		Category	Item	* Location +	* Rating +	Action/Comment	GPS Latitude/Longitude		Issue No. Start End Photo	
	Start	End						Start	End		
81	5.45	5.45	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wood privacy fence within 10-ft of the levee toe obstruct access and visibility.	38.577589 °	38.577589 °	49	-121.423350 ° -121.423350 ° Y DWR ID: DWR_NA0001_04_s_2012_49
82	5.50	5.50	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Oleanders within 10-ft of the levee toe obstruct access and visibility.	38.576883 °	38.576883 °	209	-121.423216 ° -121.423216 ° DWR ID: DWR_NA0001_04_s_2012_209
83	5.56	5.56	Earthen Levee	Vegetation	LS	C En	V6 : Landscaping Inspector Comments: Levee slope is landscaped.	38.576153 °	38.576153 °	50	-121.423134 ° -121.423134 ° DWR ID: DWR_NA0001_04_s_2012_50
84	5.57	5.57	Earthen Levee	Encroachments	LS	U En	ST : Stairway Inspector Comments: Unpermitted stairs to be removed by ARFCD.	38.575887 °	38.575887 °	197	-121.423113 ° -121.423113 ° DWR ID: DWR_NA0001_04_s_2013_197
85	5.61	5.61	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping Inspector Comments: Helix sky pencil trees within 10-ft of the levee toe obstruct visibility and access.	38.575379 °	38.575379 °	52	-121.423201 ° -121.423201 ° Y DWR ID: DWR_NA0001_04_s_2012_52
86	5.63	5.63	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping Inspector Comments: Wood privacy fence, helix sky pencil, vines and landscaping within 10-ft of the levee toe obstruct access and visibility. Cement stairs up levee slope.	38.575250 °	38.575250 °	53	-121.423240 ° -121.423240 ° Y DWR ID: DWR_NA0001_04_s_2012_53
87	5.64	5.64	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wood privacy fence and landscaping within 10-ft of the levee toe obstruct access and visibility.	38.575093 °	38.575093 °	54	-121.423263 ° -121.423263 ° Y DWR ID: DWR_NA0001_04_s_2012_54
88	5.66	5.66	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wood privacy fence within 10-ft of the levee toe obstructs visibility.	38.574837 °	38.574837 °	55	-121.423297 ° -121.423297 ° Y DWR ID: DWR_NA0001_04_s_2012_55
89	5.67	5.67	Earthen Levee	Encroachments	LS	U En	BU : Building Inspector Comments: Cement block building on levee slope obstructs access.	38.574648 °	38.574648 °	56	-121.423348 ° -121.423348 ° Y DWR ID: DWR_NA0001_04_s_2012_56
90	5.72	5.72	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wood privacy fence with ivy obstructs visibility.	38.573927 °	38.573927 °	57	-121.423480 ° -121.423480 ° Y DWR ID: DWR_NA0001_04_s_2012_57
91	5.75	5.75	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Garden built on levee slope.	38.573547 °	38.573547 °	58	-121.423583 ° -121.423583 ° DWR ID: DWR_NA0001_04_s_2012_58

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	Start	End						Start	End		
104	5.92	5.92	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Levee slope has been landscaped. This obstructs visibility.	38.571145 °	38.571145 °	70	DWR ID: DWR_NA0001_04_s_2012_70
105	5.93	5.93	Earthen Levee	Encroachments	LS	M Ma	TR : Tree or limb Inspector Comments: Large stump	38.570940 °	38.570940 °	740	-121.424173 ° -121.424173 ° Y DWR ID: DWR_NA0001_04_s_2012_740
106	5.94	5.94	Earthen Levee	Encroachments	LS	M Ma	TR : Tree or limb Inspector Comments: Stump.	38.570800 °	38.570800 °	741	-121.424184 ° -121.424184 ° Y DWR ID: DWR_NA0001_04_s_2012_741
107	5.94	5.94	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wooden privacy fence.	38.570752 °	38.570752 °	88	-121.424219 ° -121.424219 ° Y DWR ID: DWR_NA0001_04_f_2012_88
108	5.97	5.97	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Landscaping and garden within 10-ft of the levee toe.	38.570450 °	38.570450 °	71	-121.424237 ° -121.424237 ° DWR ID: DWR_NA0001_04_s_2012_71
109	5.97	5.97	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wood fence and landscaping within 10-ft of the levee toe obstructs visibility.	38.570391 °	38.570391 °	72	-121.424227 ° -121.424227 ° Y DWR ID: DWR_NA0001_04_s_2012_72
110	6.00	6.00	Earthen Levee	Encroachments	LS	M En	FE : Fence Inspector Comments: Apartment complex privacy fence and shrubs within 10-ft of the slope obstruct visibility.	38.569893 °	38.569893 °	211	-121.424310 ° -121.424310 ° Y DWR ID: DWR_NA0001_04_s_2012_211
111	6.27	6.27	Earthen Levee	Vegetation	LS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability. Inspector Comments: Elderberry bush at levee toe.	38.566198 °	38.566198 °	164	-121.423528 ° -121.423528 ° DWR ID: DWR_NA0001_04_f_2012_164
112	6.28	6.28	Earthen Levee	Slope Stability	LS	M Ma	S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.	38.566079 °	38.566079 °	203	-121.423505 ° -121.423505 ° Y DWR ID: DWR_NA0001_04_f_2013_203
113	6.61	6.61	Earthen Levee	Encroachments	LS	U En	BU : Building Inspector Comments: Generator and sheds within 10-ft of levee slope.	38.561643 °	38.561643 °	73	-121.421262 ° -121.421262 ° Y DWR ID: DWR_NA0001_04_s_2012_73
114	6.63	6.63	Earthen Levee	Encroachments	LS	M En	TA : Tank Inspector Comments: 5 water tanks and storage shed within 10 feet of landside levee toe.	38.561448 °	38.561448 °	185	-121.421071 ° -121.421071 ° Y DWR ID: DWR_NA0001_04_f_2013_185
115	6.66	6.66	Earthen Levee	Encroachments	LS	M En	MA : Material Inspector Comments: Pipe and other material stored within 10 feet of landside levee toe.	38.561117 °	38.561117 °	51	-121.420749 ° -121.420749 ° Y DWR ID: DWR_NA0001_04_f_2013_51
116	6.85	6.98	Earthen Levee	Vegetation	WS	M En	V6 : Landscaping Inspector Comments: Bushes at waterside hinge obstruct visibility of waterside slope from levee crown.	38.559152 °	38.558115 °	140	-121.418108 ° -121.416328 ° Y DWR ID: DWR_NA0001_04_f_2012_140

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AW : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River								Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk
MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End		
117	6.91	7.04	Earthen Levee	Vegetation	LS	C En	V6 : Landscaping Inspector Comments: Vegetation obstructing visibility. Landscaping should be maintained per Title 23 standards.	38.558755 °	38.558057 °	139	
								-121.417587 °	-121.415420 °		
										DWR ID: DWR_NA0001_04_f_2012_139	
118	7.70	7.73	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wooden privacy fence for seven apartment units is within 10-ft of levee toe and obstructs access and visibility.	38.559177 °	38.559218 °	74	
								-121.403541 °	-121.402967 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_74	
119	7.75	7.77	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wooden privacy fence for seven apartment units is within 10-ft of levee toe and obstructs access and visibility.	38.559230 °	38.559261 °	75	
								-121.402708 °	-121.402219 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_75	
120	7.80	7.82	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wooden privacy fence for seven apartment units is within 10-ft of levee toe and obstructs access and visibility.	38.559308 °	38.559309 °	76	
								-121.401717 °	-121.401388 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_76	
121	7.83	7.86	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wooden privacy fence for seven apartment units is within 10-ft of levee toe and obstructs access and visibility.	38.559330 °	38.559366 °	77	
								-121.401162 °	-121.400683 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_77	
122	7.88	7.90	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wooden privacy fence for seven apartment units is within 10-ft of levee toe and obstructs access and visibility.	38.559379 °	38.559435 °	78	
								-121.400354 °	-121.399944 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_78	
123	7.91	7.94	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wooden privacy fence for seven apartment units is within 10-ft of levee toe and obstructs access and visibility.	38.559514 °	38.559643 °	79	
								-121.399700 °	-121.399248 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_79	
124	7.96	7.98	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wooden privacy fence for seven apartment units is within 10-ft of levee toe and obstructs access and visibility.	38.559753 °	38.559911 °	80	
								-121.398982 °	-121.398506 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_80	
125	7.99	7.99	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Landscaping trees and bushes within 10-ft of levee toe obstruct visibility.	38.559957 °	38.559957 °	223	
								-121.398401 °	-121.398401 °		
										DWR ID: DWR_NA0001_04_s_2012_223	
126	8.00	8.03	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wooden privacy fence for seven apartment units is within 10-ft of levee toe and obstructs access and visibility.	38.559994 °	38.560185 °	224	
								-121.398318 °	-121.397845 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_224	

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End		
127	8.01	8.01	Earthen Levee	Vegetation	LS En	V6 : Landscaping Inspector Comments: 04/14/2011 Landscaping outside of fence on levee and wood fence completely obstructing visibility.		38.560062 °	38.560062 °	183	
								-121.398010 °	-121.398010 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_183	
128	8.04	8.07	Earthen Levee	Encroachments	LS En	FE : Fence Inspector Comments: Wooden privacy fence for seven apartment units is within 10-ft of levee toe and obstructs access and visibility.		38.560281 °	38.560435 °	81	
								-121.397604 °	-121.397239 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_81	
129	8.09	8.09	Earthen Levee	Encroachments	LS En	FE : Fence Inspector Comments: Brick fence is within 10-ft of levee toe, obstructing access and visibility.		38.560537 °	38.560537 °	82	
								-121.396912 °	-121.396912 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_82	
130	8.10	8.10	Earthen Levee	Encroachments	LS En	FE : Fence Inspector Comments: Brick fence is within 10-ft of levee toe and obstructs access and visibility.		38.560647 °	38.560647 °	83	
								-121.396660 °	-121.396660 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_83	
131	8.11	8.11	Earthen Levee	Encroachments	LS En	FE : Fence Inspector Comments: Brick fence is within 10-ft of levee toe and obstructs access and visibility.		38.560728 °	38.560728 °	84	
								-121.396471 °	-121.396471 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_84	
132	8.13	8.13	Earthen Levee	Encroachments	LS A/W Ma	UR : Urban Inspector Comments: Drains direct gutter flow onto levee toe.		38.560830 °	38.560830 °	745	
								-121.396232 °	-121.396232 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_745	
133	8.13	8.13	Earthen Levee	Encroachments	LS En	FE : Fence Inspector Comments: Brick fence is within 10-ft of levee toe and obstructs access and visibility.		38.560845 °	38.560845 °	85	
								-121.396189 °	-121.396189 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_85	
134	8.14	8.14	Earthen Levee	Encroachments	LS En	FE : Fence Inspector Comments: Brick fence is within 10-ft of levee toe and obstructs access and visibility.		38.560907 °	38.560907 °	86	
								-121.396043 °	-121.396043 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_86	
135	8.15	8.15	Earthen Levee	Encroachments	LS En	FE : Fence Inspector Comments: Brick fence is within 10-ft of levee toe and obstructs access and visibility.		38.561008 °	38.561008 °	87	
								-121.395817 °	-121.395817 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_87	
136	8.19	8.19	Earthen Levee	Vegetation	LS M En	V6 : Landscaping Inspector Comments: Landscaping along chain link fence within 10-ft of levee toe obstructs access and visibility.		38.561248 °	38.561248 °	225	
								-121.395169 °	-121.395169 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_225	
137	8.22	8.22	Earthen Levee	Encroachments	LS En	FE : Fence Inspector Comments: Fence and landscaping arbor within 10-ft of levee toe obstructs access and visibility.		38.561467 °	38.561467 °	89	
								-121.394728 °	-121.394728 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_89	

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
MR No	Levee Mile		Category	Item	* Location Start	* Rating +	Action/Comment			GPS Latitude/Longitude	Issue No.
	Start	End					Start	End	Photo		
138	8.23	8.23	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Cement block fence within 10-ft of the levee toe.	38.561544 ° 38.561544 ° -121.394494 ° -121.394494 °	90 Y	DWR ID: DWR_NA0001_04_s_2012_90
139	8.25	8.25	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Concrete block fence and landscaping within 10-ft of levee toe obstructs access and visibility.	38.561593 ° 38.561593 ° -121.394315 ° -121.394315 °	91 Y	DWR ID: DWR_NA0001_04_s_2012_91
140	8.25	8.25	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Cement block fence and landscaping within 10-ft of levee toe obstructs access and visibility.	38.561658 ° 38.561658 ° -121.394157 ° -121.394157 °	92 Y	DWR ID: DWR_NA0001_04_s_2012_92
141	8.27	8.27	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Wooden fence, strung tarps, and landscaping within 10-ft of levee toe obstructs access and visibility.	38.561750 ° 38.561750 ° -121.393917 ° -121.393917 °	93 Y	DWR ID: DWR_NA0001_04_s_2012_93
142	8.28	8.28	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Wood privacy fence and pool within 10-ft of levee toe obstructs access and visibility.	38.561799 ° 38.561799 ° -121.393758 ° -121.393758 °	94 Y	DWR ID: DWR_NA0001_04_s_2012_94
143	8.29	8.29	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Wood privacy fence within 10-ft of levee toe obstructs access and visibility.	38.561900 ° 38.561900 ° -121.393547 ° -121.393547 °	95 Y	DWR ID: DWR_NA0001_04_s_2012_95
144	8.31	8.31	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Wood privacy fence within 10-ft of levee toe obstructs access and visibility.	38.561986 ° 38.561986 ° -121.393343 ° -121.393343 °	97 Y	DWR ID: DWR_NA0001_04_s_2012_97
145	8.32	8.32	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Wood privacy fence within 10-ft of levee toe obstructs access and visibility.	38.562054 ° 38.562054 ° -121.393190 ° -121.393190 °	98 Y	DWR ID: DWR_NA0001_04_s_2012_98
146	8.33	8.33	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Wood privacy fence within 10-ft of levee toe obstructs access and visibility.	38.562120 ° 38.562120 ° -121.392983 ° -121.392983 °	99 Y	DWR ID: DWR_NA0001_04_s_2012_99
147	8.34	8.34	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Wood privacy fence within 10-ft of levee toe obstructs access and visibility.	38.562182 ° 38.562182 ° -121.392778 ° -121.392778 °	100 Y	DWR ID: DWR_NA0001_04_s_2012_100
148	8.39	8.39	Earthen Levee	Encroachments	LS	U	FE : Fence En	Inspector Comments: Wood privacy fence within 10-ft of levee toe obstructs access and visibility.	38.562508 ° 38.562508 ° -121.392037 ° -121.392037 °	101 Y	DWR ID: DWR_NA0001_04_s_2012_101

* Location LS : Land Side WS : Water Side CR : Crown

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+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
MR No	Levee Mile		Category	Item	* Location Start	* Rating +	Action/Comment	GPS Latitude/Longitude		Issue No. Start	Photo
	Start	End						Start	End		
149	8.45	8.45	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Helix sky pencil along chain link fence is within 10-ft of the levee toe.	38.562889 °	38.562889 °	102	DWR ID: DWR_NA0001_04_s_2012_102
								-121.391042 °	-121.391042 °	Y	
150	8.47	8.47	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wood privacy fence within 10-ft of levee toe obstructs access and visibility.	38.563042 °	38.563042 °	103	DWR ID: DWR_NA0001_04_s_2012_103
								-121.390692 °	-121.390692 °	Y	
151	8.48	8.48	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wood privacy fence within 10-ft of levee toe obstructs access and visibility.	38.563108 °	38.563108 °	104	DWR ID: DWR_NA0001_04_s_2012_104
								-121.390452 °	-121.390452 °	Y	
152	8.51	8.51	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Palms planted within 10-ft of the levee toe.	38.563238 °	38.563238 °	105	DWR ID: DWR_NA0001_04_s_2012_105
								-121.390073 °	-121.390073 °	Y	
153	8.52	8.52	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wood privacy fence within 10-ft of levee toe obstructs access and visibility. Block wall built into the levee.	38.563308 °	38.563308 °	106	DWR ID: DWR_NA0001_04_s_2012_106
								-121.389885 °	-121.389885 °	Y	
154	8.54	8.54	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping	38.563511 °	38.563511 °	107	DWR ID: DWR_NA0001_04_s_2012_107
								-121.389509 °	-121.389509 °	Y	
155	8.55	8.55	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping	38.563587 °	38.563587 °	108	DWR ID: DWR_NA0001_04_s_2012_108
								-121.389313 °	-121.389313 °	Y	
156	8.56	8.56	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Redwood and ivy within 10-ft of levee toe.	38.566948 °	38.566948 °	236	DWR ID: DWR_NA0001_04_s_2012_236
								-121.371562 °	-121.371562 °		
157	8.57	8.57	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wood privacy fence within 10-ft of levee toe obstructs access and visibility.	38.563580 °	38.563580 °	109	DWR ID: DWR_NA0001_04_s_2012_109
								-121.389140 °	-121.389140 °	Y	
158	8.58	8.58	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wood privacy fence within 10-ft of levee toe obstructs access and visibility.	38.563732 °	38.563732 °	110	DWR ID: DWR_NA0001_04_s_2012_110
								-121.388930 °	-121.388930 °	Y	
159	8.59	8.59	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Garden, trees and cactus planted against the levee toe.	38.563793 °	38.563793 °	226	DWR ID: DWR_NA0001_04_s_2012_226
								-121.388758 °	-121.388758 °	Y	
160	8.60	8.60	Earthen Levee	Encroachments	LS	U En	FE : Fence Inspector Comments: Wood privacy fence within 10-ft of levee toe obstructs access and visibility.	38.563820 °	38.563820 °	111	DWR ID: DWR_NA0001_04_s_2012_111
								-121.388518 °	-121.388518 °	Y	

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 04 American River								Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk	
MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.		
	Start	End						Start	End			
161	8.61	8.61	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping	38.563877 °	38.563877 °	113	-121.388343 ° -121.388343 ° Y	DWR ID: DWR_NA0001_04_s_2012_113
162	8.63	8.63	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping Inspector Comments: Ivy and orange tree obstruct visibility.	38.563945 °	38.563945 °	114	-121.388137 ° -121.388137 ° Y	DWR ID: DWR_NA0001_04_s_2012_114
163	8.65	8.65	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Wood privacy fence and 2-story play house within 10-ft of levee toe obstructs access and visibility.	38.564047 °	38.564047 °	115	-121.387743 ° -121.387743 ° Y	DWR ID: DWR_NA0001_04_s_2012_115
164	8.66	8.66	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Wood privacy fence and wood out building within 10-ft of levee toe obstructs access and visibility.	38.564033 °	38.564033 °	117	-121.387572 ° -121.387572 ° Y	DWR ID: DWR_NA0001_04_s_2012_117
165	8.67	8.67	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Wood privacy fence within 10-ft of levee toe obstructs access and visibility.	38.564133 °	38.564133 °	116	-121.387318 ° -121.387318 ° Y	DWR ID: DWR_NA0001_04_s_2012_116
166	8.68	8.68	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Wood privacy fence within 10-ft of levee toe obstructs access and visibility.	38.564133 °	38.564133 °	118	-121.387092 ° -121.387092 ° Y	DWR ID: DWR_NA0001_04_s_2012_118
167	8.70	8.70	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Wood privacy fence within 10-ft of levee toe obstructs access and visibility.	38.564217 °	38.564217 °	119	-121.386846 ° -121.386846 ° Y	DWR ID: DWR_NA0001_04_s_2012_119
168	8.98	8.98	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Chain link fence with privacy slats and barbed wire within 10-ft of levee toe obstructs access and visibility.	38.565352 °	38.565352 °	235	-121.382044 ° -121.382044 ° Y	DWR ID: DWR_NA0001_04_s_2012_235
169	9.49	9.49	Earthen Levee	Encroachments	WSA/W En	PI	: Pipe Inspector Comments: Flap gates in good condition. Pipe is exposed at waterside toe.	38.566700 °	38.566700 °	175	-121.372961 ° -121.372961 ° Y	DWR ID: DWR_NA0001_04_s_2012_175
170	9.54	9.54	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping Inspector Comments: Bushes within 10-ft of levee toe obstructs visibility. LMA is working on removing encroachment.	38.566849 °	38.566849 °	120	-121.372166 ° -121.372166 ° Y	DWR ID: DWR_NA0001_04_s_2012_120
171	9.57	9.57	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping Inspector Comments: Redwoods and ivy along fence within 10-ft of levee toe.	38.566938 °	38.566938 °	237	-121.371550 ° -121.371550 ° Y	DWR ID: DWR_NA0001_04_s_2012_237

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River								Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk
MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End		
172	9.61	9.61	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping Inspector Comments: Oleander bushes and shrubs within 10-ft of landside toe.	38.567058 ° -121.370954 °	38.567058 ° -121.370954 °	121	DWR ID: DWR_NA0001_04_s_2012_121
173	9.62	9.62	Earthen Levee	Encroachments	LS En	C	ST : Stairway Inspector Comments: Stairs installed without permit.	38.567232 ° -121.370610 °	38.567232 ° -121.370610 °	10	DWR ID: DWR_NA0001_04_f_2012_10
174	9.64	9.64	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping Inspector Comments: Trees and ground cover within 10-ft of levee toe.	38.567181 ° -121.370366 °	38.567181 ° -121.370366 °	122	DWR ID: DWR_NA0001_04_s_2012_122
175	9.66	9.66	Earthen Levee	Trim / Thin Trees	LS Ma	N	T5 : Tree stumps. Inspector Comments: Trees, bushes and ground cover within 10-ft of levee toe.	38.567285 ° -121.369964 °	38.567285 ° -121.369964 °	123	DWR ID: DWR_NA0001_04_s_2012_123
176	9.67	9.67	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping Inspector Comments: Ivy and vines on chain link fence within 10-ft of levee toe.	38.567242 ° -121.369858 °	38.567242 ° -121.369858 °	124	DWR ID: DWR_NA0001_04_s_2012_124
177	9.69	9.69	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping Inspector Comments: Dense golden ivy on C/L fence obstructs access and visibility.	38.567360 ° -121.369555 °	38.567360 ° -121.369555 °	125	DWR ID: DWR_NA0001_04_s_2012_125
178	9.70	9.70	Earthen Levee	Vegetation	LS En	A	V6 : Landscaping Inspector Comments: Vines and ground cover within 10-ft of levee toe.	38.567387 ° -121.369358 °	38.567387 ° -121.369358 °	126	DWR ID: DWR_NA0001_04_s_2012_126
179	9.72	9.72	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping Inspector Comments: Ground cover on levee slope.	38.567451 ° -121.368962 °	38.567451 ° -121.368962 °	127	DWR ID: DWR_NA0001_04_s_2012_127
180	9.74	9.74	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Wooden privacy fence within 10-ft of levee toe.	38.567493 ° -121.368633 °	38.567493 ° -121.368633 °	128	DWR ID: DWR_NA0001_04_s_2012_128
181	9.76	9.76	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping Inspector Comments: Trees and vines along C/L fence within 10-ft of levee toe.	38.567594 ° -121.368195 °	38.567594 ° -121.368195 °	129	DWR ID: DWR_NA0001_04_s_2012_129
182	9.78	9.78	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping Inspector Comments: Tall hedge obstructs access and visibility.	38.567626 ° -121.367921 °	38.567626 ° -121.367921 °	130	DWR ID: DWR_NA0001_04_s_2012_130
183	9.79	9.79	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping Inspector Comments: Tall hedge obstructs access and visibility.	38.567680 ° -121.367674 °	38.567680 ° -121.367674 °	131	DWR ID: DWR_NA0001_04_s_2012_131

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+ Issue Type
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End		
184	9.82	9.82	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping Inspector Comments: Trees and ivy on levee slope obstruct access and visibility.	38.567772 °	38.567772 °	132 -121.367227 °	-121.367227 ° Y
											DWR ID: DWR_NA0001_04_s_2012_132
185	9.84	9.84	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping Inspector Comments: Lemon tree, palm, sky pencil and ivy planted within 10-ft of levee toe obstructs access and visibility.	38.567856 °	38.567856 °	133 -121.366892 °	-121.366892 ° Y
											DWR ID: DWR_NA0001_04_s_2012_133
186	9.86	9.86	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping Inspector Comments: Ivy, hedge and play house is within 10-ft of levee toe.	38.567873 °	38.567873 °	134 -121.366410 °	-121.366410 ° Y
											DWR ID: DWR_NA0001_04_s_2012_134
187	9.98	9.98	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping Inspector Comments: Tall hedge and ivy within 10-ft of landside levee toe.	38.568446 °	38.568446 °	135 -121.364385 °	-121.364385 ° Y
											DWR ID: DWR_NA0001_04_s_2012_135
188	10.04	10.04	Earthen Levee	Encroachments	LS En	M	FE : Fence Inspector Comments: Wire fence within 10-ft of landside levee toe.	38.568714 °	38.568714 °	136 -121.363257 °	-121.363257 ° Y
											DWR ID: DWR_NA0001_04_s_2012_136
189	10.04	10.04	Earthen Levee	Trim / Thin Trees	LS Ma	N	T5 : Tree stumps.	38.568715 °	38.568715 °	32 -121.363256 °	-121.363256 °
											DWR ID: DWR_NA0001_04_f_2013_32
190	10.07	10.07	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping Inspector Comments: Ivy on levee slope and Juniper at levee toe.	38.568833 °	38.568833 °	137 -121.362783 °	-121.362783 ° Y
											DWR ID: DWR_NA0001_04_s_2012_137
191	10.09	10.09	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping Inspector Comments: Landscaping on levee slope.	38.568918 °	38.568918 °	238 -121.362533 °	-121.362533 ° Y
											DWR ID: DWR_NA0001_04_s_2012_238
192	10.10	10.10	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: 03/16/2012 Wood privacy fence completely obstructs visibility and access.	38.568953 °	38.568953 °	138 -121.362396 °	-121.362396 ° Y
											DWR ID: DWR_NA0001_04_s_2012_138
193	10.12	10.12	Earthen Levee	Encroachments	LS En	A/W PL	Pool Inspector Comments: Pool filled with water.	38.569111 °	38.569111 °	202 -121.361921 °	-121.361921 ° Y
											DWR ID: DWR_NA0001_04_s_2013_202
194	10.18	10.18	Earthen Levee	Encroachments	LS En	U	BU : Building	38.569293 °	38.569293 °	176 -121.361002 °	-121.361002 ° Y
											DWR ID: DWR_NA0001_04_s_2012_176
195	10.34	10.37	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Wooden fence behind six apartment units is within 10-ft of levee slope.	38.569982 °	38.570118 °	141 -121.358134 °	-121.357604 ° Y
											DWR ID: DWR_NA0001_04_s_2012_141

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End			+	+		Start	End		
196	10.38	10.40	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden fence behind six apartment units is within 10-ft of levee slope.	38.570175 °	38.570229 °	142	DWR ID: DWR_NA0001_04_s_2012_142
197	10.41	10.42	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden fence behind 6 apartments.	38.570225 °	38.570245 °	146	DWR ID: DWR_NA0001_04_s_2012_146
198	10.42	10.44	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden fence behind six apartment units is within 10-ft of levee slope.	38.570257 °	38.570297 °	143	DWR ID: DWR_NA0001_04_s_2012_143
199	10.45	10.48	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden fence behind six apartment units is within 10-ft of levee slope.	38.570325 °	38.570397 °	144	DWR ID: DWR_NA0001_04_s_2012_144
200	10.48	10.51	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden fence behind six apartment units is within 10-ft of levee slope.	38.570417 °	38.570500 °	145	DWR ID: DWR_NA0001_04_s_2012_145
201	10.53	10.53	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden privacy fence.	38.570542 °	38.570542 °	147	-121.354772 ° -121.354772 ° Y DWR ID: DWR_NA0001_04_s_2012_147
202	10.56	10.56	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden privacy fence obstructs visibility and access.	38.570524 °	38.570524 °	148	-121.354359 ° -121.354359 ° Y DWR ID: DWR_NA0001_04_s_2012_148
203	10.57	10.57	Earthen Levee	Encroachments	LS	M	FE : Fence En Inspector Comments: Chainlink fence partially obstructs, currently visibility is unobstructed.	38.570397 °	38.570397 °	180	-121.354084 ° -121.354084 ° Y DWR ID: DWR_NA0001_04_s_2012_180
204	10.58	10.58	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden privacy fence is within 10-ft of levee toe.	38.570234 °	38.570234 °	149	-121.353862 ° -121.353862 ° Y DWR ID: DWR_NA0001_04_s_2012_149
205	10.60	10.60	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden privacy fence within 10-ft of levee toe.	38.570095 °	38.570095 °	150	-121.353807 ° -121.353807 ° Y DWR ID: DWR_NA0001_04_s_2012_150
206	10.62	10.62	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden privacy fence within 10-ft of levee toe.	38.569921 °	38.569921 °	151	-121.353643 ° -121.353643 ° Y DWR ID: DWR_NA0001_04_s_2012_151
207	10.63	10.63	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden privacy fence within 10-ft of levee toe.	38.569758 °	38.569758 °	152	-121.353535 ° -121.353535 ° Y DWR ID: DWR_NA0001_04_s_2012_152

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End		
208	10.67	10.67	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden privacy fence and ivy within 10-ft of levee toe.	38.569166 °	38.569166 °	153	
								-121.353272 °	-121.353272 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_153	
209	10.68	10.68	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden privacy fence within 10-ft of levee toe.	38.569020 °	38.569020 °	154	
								-121.353313 °	-121.353313 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_154	
210	10.69	10.69	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En Inspector Comments: Trees and bushes are within 10-ft of the levee toe.	38.568892 °	38.568892 °	155	
								-121.353162 °	-121.353162 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_155	
211	10.71	10.71	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden privacy fence and landscaping within 10-ft of levee toe.	38.568713 °	38.568713 °	156	
								-121.353150 °	-121.353150 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_156	
212	10.71	10.71	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En Inspector Comments: Tall hedge and vine on levee toe.	38.568608 °	38.568608 °	157	
								-121.353054 °	-121.353054 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_157	
213	10.73	10.73	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden privacy fence within 10-ft of levee toe.	38.568355 °	38.568355 °	158	
								-121.353033 °	-121.353033 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_158	
214	10.73	10.73	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden privacy fence within 10-ft of levee toe.	38.568313 °	38.568313 °	159	
								-121.352941 °	-121.352941 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_159	
215	10.74	10.74	Earthen Levee	Encroachments	CRA/W	PI	Pipe En Inspector Comments: Pipe beneath levee and channel.	38.568297 °	38.568297 °	173	
								-121.352910 °	-121.352910 °		
										DWR ID: DWR_NA0001_04_s_2012_173	
216	10.74	10.74	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Tall wooden privacy fence within 10-ft of levee toe.	38.568188 °	38.568188 °	160	
								-121.352864 °	-121.352864 °	Y	
										DWR ID: DWR_NA0001_04_f_2012_160	
217	10.75	10.75	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden privacy fence and vine within 10-ft of levee toe.	38.568058 °	38.568058 °	161	
								-121.352785 °	-121.352785 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_161	
218	10.77	10.77	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Chainlink fence with bamboo mats prevent visibility.	38.567917 °	38.567917 °	179	
								-121.352698 °	-121.352698 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_179	
219	10.79	10.79	Earthen Levee	Encroachments	LS	M	FE : Fence En Inspector Comments: Chainlink fence	38.567552 °	38.567552 °	178	
								-121.352500 °	-121.352500 °	Y	
										DWR ID: DWR_NA0001_04_s_2012_178	

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River								Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk
MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End		
220	10.80	10.80	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden privacy fence within 10-ft of levee toe.	38.567402 °	38.567402 °	162 -121.352415 °	-121.352415 ° Y
											DWR ID: DWR_NA0001_04_s_2012_162
221	10.82	10.82	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden privacy fence and landscaping within 10-ft of levee toe.	38.567250 °	38.567250 °	163 -121.352341 °	-121.352341 ° Y
											DWR ID: DWR_NA0001_04_s_2012_163
222	10.83	10.83	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden privacy fence.	38.567008 °	38.567008 °	172 -121.352226 °	-121.352226 ° Y
											DWR ID: DWR_NA0001_04_s_2012_172
223	10.84	10.84	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden privacy fence within 10-ft of levee toe.	38.566981 °	38.566981 °	170 -121.352213 °	-121.352213 ° Y
											DWR ID: DWR_NA0001_04_f_2012_170
224	10.86	10.86	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden privacy fence within 10-ft of levee toe.	38.566705 °	38.566705 °	166 -121.352063 °	-121.352063 ° Y
											DWR ID: DWR_NA0001_04_s_2012_166
225	10.87	10.87	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden privacy fence and tall hedge within 10-ft of levee toe.	38.566545 °	38.566545 °	171 -121.352004 °	-121.352004 ° Y
											DWR ID: DWR_NA0001_04_s_2012_171
226	10.88	10.88	Earthen Levee	Vegetation	LS	U	V6 : Landscaping En Inspector Comments: Wooden privacy fence within 10-ft of levee toe. Tree limb on levee slope. 04/14/2011 tree limb has been removed.	38.566399 °	38.566399 °	169 -121.351931 °	-121.351931 ° Y
											DWR ID: DWR_NA0001_04_s_2012_169
227	10.89	10.89	Earthen Levee	Vegetation	LS	U	V6 : Landscaping En Inspector Comments: Wooden privacy fence ivy and vine planted within 10-ft of levee toe.	38.566233 °	38.566233 °	167 -121.351848 °	-121.351848 ° Y
											DWR ID: DWR_NA0001_04_s_2012_167
228	10.91	10.91	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden privacy fence within 10-ft of levee toe.	38.566044 °	38.566044 °	165 -121.351747 °	-121.351747 ° Y
											DWR ID: DWR_NA0001_04_s_2012_165
229	10.92	10.92	Earthen Levee	Trim / Thin Trees	LS	M	T1 : Trim trees to at least five feet above ground level. Ma	38.565921 °	38.565921 °	25 -121.351683 °	-121.351683 ° Y
											DWR ID: DWR_NA0001_04_f_2013_25
230	10.92	10.94	Earthen Levee	Encroachments	LS	U	FE : Fence En Inspector Comments: Wooden privacy fence within 10-ft of levee toe.	38.565917 °	38.565646 °	168 -121.351682 °	-121.351532 ° Y
											DWR ID: DWR_NA0001_04_s_2012_168

* Location LS : Land Side WS : Water Side CR : Crown

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+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.23
End Levee Mile	0.23
Location	Crown
Category	Earthen Levee
Item	Vegetation

View of the landscaping on levee crown.

mkhashch_f_20130923_029.JPG



Levee Mile Report Line	2
Start Levee Mile	0.32
End Levee Mile	0.46
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of the vines obstructing visibility.



Levee Mile Report Line	3
Start Levee Mile	0.41
End Levee Mile	0.41
Location	Crown
Category	Earthen Levee
Item	Encroachments

View of the abandoned pipe.

mkhashch_f_20130923_870.JPG



mkhashch_f_20130923_058.JPG

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	5
Start Levee Mile	0.85
End Levee Mile	0.85
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of improperly graded bicycle ramp.	
mhashch_f_20130923_924.JPG	



Levee Mile Report Line	6
Start Levee Mile	0.94
End Levee Mile	0.94
Location	Crown
Category	Earthen Levee
Item	Encroachments
Discharge pipe from printing shop into American River.	
mhashch_f_20130923_059.jpg	



Levee Mile Report Line	7
Start Levee Mile	1.62
End Levee Mile	1.62
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	
USACE2013_LAR_1-8_L_1.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	7
Start Levee Mile	1.62
End Levee Mile	1.62
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

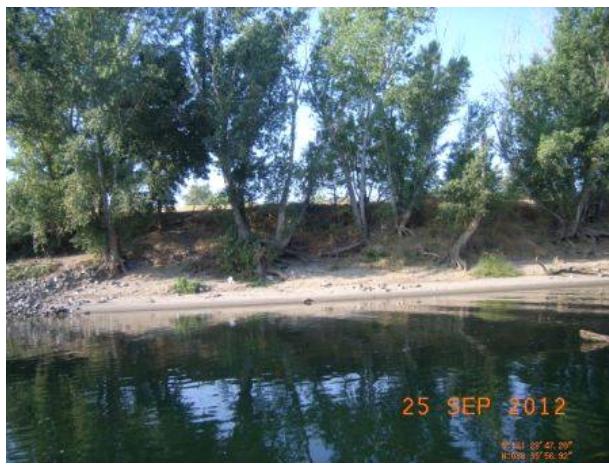
USACE 2012 Photo #2



USACE2013_LAR_1-8_L_2.jpg

Levee Mile Report Line	7
Start Levee Mile	1.62
End Levee Mile	1.62
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #3



Levee Mile Report Line	8
Start Levee Mile	1.69
End Levee Mile	1.78
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of the irrigation system along the levee on waterside slope.



mkhashch_f_20130923_025.JPG

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	10
Start Levee Mile	2.50
End Levee Mile	2.50
Location	Land Side
Category	Earthen Levee
Item	Vegetation
04/14/2011 Elderberry bush prevents visibility of levee toe.	
mkhashch_f_20130923_035.jpg	



Levee Mile Report Line	11
Start Levee Mile	2.68
End Levee Mile	2.68
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Structure on Bell Marine property.	
mkhashch_f_20130923_871.jpg	



Levee Mile Report Line	12
Start Levee Mile	2.73
End Levee Mile	2.86
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the debris obstructing visibility and access.	
mkhashch_f_20130923_872.JPG	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

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Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	14
Start Levee Mile	2.84
End Levee Mile	2.84
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of the debris stored in floodway.

mkhashch_f_20130923_873.JPG



Levee Mile Report Line	16
Start Levee Mile	2.92
End Levee Mile	2.96
Location	Land Side
Category	Earthen Levee
Item	Encroachments

03/16/2012 Sutter's Landing Skate Park.

mkhashch_f_20130923_874.jpg



Levee Mile Report Line	18
Start Levee Mile	3.88
End Levee Mile	3.88
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Fall 2009 photo: Fence and landscaping within 10-ft of levee toe obstructs access and visibility.

mkhashch_f_20130923_879.jpg



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	18
Start Levee Mile	3.88
End Levee Mile	3.88
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_880.jpg	



Levee Mile Report Line	19
Start Levee Mile	3.90
End Levee Mile	3.90
Location	Land Side
Category	Earthen Levee
Item	Encroachments
04/14/2011 Landscaping, which was a Fall inspection issue has been removed, however wooden fence is still obstructing access and visibility.	
mkhashch_f_20130923_875.jpg	



Levee Mile Report Line	20
Start Levee Mile	3.91
End Levee Mile	3.91
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_881.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	21
Start Levee Mile	3.95
End Levee Mile	3.95
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_883.jpg	



Levee Mile Report Line	22
Start Levee Mile	3.96
End Levee Mile	3.96
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_884.jpg	



Levee Mile Report Line	23
Start Levee Mile	3.97
End Levee Mile	3.97
Location	Land Side
Category	Earthen Levee
Item	Vegetation
03/16/2012 Landscape obstructs visibility and access.	
mkhashch_f_20130923_966.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	24
Start Levee Mile	3.98
End Levee Mile	3.98
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Concrete wall obstructs access and visibility.	
mkhashch_f_20130923_885.jpg	



Levee Mile Report Line	25
Start Levee Mile	4.00
End Levee Mile	4.00
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_886.jpg	



Levee Mile Report Line	26
Start Levee Mile	4.01
End Levee Mile	4.01
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_887.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	27
Start Levee Mile	4.02
End Levee Mile	4.02
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_888.jpg	



Levee Mile Report Line	28
Start Levee Mile	4.03
End Levee Mile	4.03
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_889.jpg	



Levee Mile Report Line	29
Start Levee Mile	4.04
End Levee Mile	4.04
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_890.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	30
Start Levee Mile	4.07
End Levee Mile	4.07
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_891.jpg	



Levee Mile Report Line	31
Start Levee Mile	4.08
End Levee Mile	4.08
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Fall 2009 photo: Landscaping within 10-ft of levee toe obstructs access and visibility.	
mkhashch_f_20130923_036.jpg	



Levee Mile Report Line	32
Start Levee Mile	4.09
End Levee Mile	4.09
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_892.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	33
Start Levee Mile	4.10
End Levee Mile	4.10
Location	Land Side
Category	Earthen Levee
Item	Vegetation
04/14/2011 Palms have been removed.	
mkhashch_f_20130923_893.jpg	



Levee Mile Report Line	34
Start Levee Mile	4.11
End Levee Mile	4.11
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_894.jpg	



Levee Mile Report Line	35
Start Levee Mile	4.12
End Levee Mile	4.12
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wooden fence on cement wall obstructs access and visibility.	
mkhashch_f_20130923_895.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	36
Start Levee Mile	4.13
End Levee Mile	4.13
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of the obstructing vegetation at levee toe.



mkhashch_f_20130923_037.JPG

Levee Mile Report Line	39
Start Levee Mile	4.17
End Levee Mile	4.17
Location	Land Side
Category	Earthen Levee
Item	Vegetation

03/16/2012 Wood privacy fence completely obstructs access and visibility.



mkhashch_f_20130923_038.jpg

Levee Mile Report Line	40
Start Levee Mile	4.19
End Levee Mile	4.19
Location	Land Side
Category	Earthen Levee
Item	Encroachments

03/16/2012 Wood privacy fence completely obstructs access and visibility.



mkhashch_f_20130923_039.jpg

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	41
Start Levee Mile	4.21
End Levee Mile	4.21
Location	Land Side
Category	Earthen Levee
Item	Encroachments
04/14/2011 Retaining wall has been removed. Wooden fence remains and is obstructing access and visibility.	
mkhashch_f_20130923_896.jpg	



Levee Mile Report Line	42
Start Levee Mile	4.23
End Levee Mile	4.23
Location	Land Side
Category	Earthen Levee
Item	Vegetation
03/16/2012 Landscaping on fence obstructs visibility and access.	
mkhashch_f_20130923_040.jpg	



Levee Mile Report Line	44
Start Levee Mile	4.27
End Levee Mile	4.27
Location	Land Side
Category	Earthen Levee
Item	Encroachments
04/14/2011 Planter boxes have been removed. Chainlink fence partially blocks access.	
mkhashch_f_20130923_041.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	45
Start Levee Mile	4.29
End Levee Mile	4.29
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_897.jpg	



Levee Mile Report Line	46
Start Levee Mile	4.31
End Levee Mile	4.31
Location	Land Side
Category	Earthen Levee
Item	Encroachments
04/14/2011 Landscape removed, chainlink fence remains.	
mkhashch_f_20130923_042.jpg	



Levee Mile Report Line	47
Start Levee Mile	4.33
End Levee Mile	4.33
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_898.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	48
Start Levee Mile	4.33
End Levee Mile	4.33
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Cinder block wall obstructs visibility and access.	
mkhashch_f_20130923_899.jpg	



Levee Mile Report Line	49
Start Levee Mile	4.35
End Levee Mile	4.35
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Flowering bush is dormant, landscaping on levee slope and wooden privacy fence.	
mkhashch_f_20130923_900.jpg	



Levee Mile Report Line	51
Start Levee Mile	4.40
End Levee Mile	4.40
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_043.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	52
Start Levee Mile	4.41
End Levee Mile	4.41
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_901.jpg	



Levee Mile Report Line	53
Start Levee Mile	4.45
End Levee Mile	4.45
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_902.jpg	



Levee Mile Report Line	55
Start Levee Mile	4.50
End Levee Mile	4.50
Location	Water Side
Category	Earthen Levee
Item	Vegetation
View of large elderberry bush obstructing visibility and access.	
mkhashch_f_20130923_060.JPG	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	57
Start Levee Mile	4.52
End Levee Mile	4.52
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_903.jpg	



Levee Mile Report Line	58
Start Levee Mile	4.53
End Levee Mile	4.53
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_044.jpg	



Levee Mile Report Line	59
Start Levee Mile	4.54
End Levee Mile	4.54
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_045.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	60
Start Levee Mile	4.55
End Levee Mile	4.55
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mhashch_f_20130923_046.jpg	



Levee Mile Report Line	62
Start Levee Mile	4.60
End Levee Mile	4.60
Location	Crown
Category	Earthen Levee
Item	Encroachments
View of the temporary pipes penetrating the landside levee slope.	
mhashch_f_20131120_729.JPG	



Levee Mile Report Line	66
Start Levee Mile	4.72
End Levee Mile	4.72
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/15/2011 Debris on levee side of fence. This item was noted in the USACE PI.	
mhashch_f_20130923_061.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	66
Start Levee Mile	4.72
End Levee Mile	4.72
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the previously noted debris stored in the upstream corner of the property. Note extensive burrowing in the backyard on the downstream (right) corner of the property.	
mkhashch_f_20130923_062.JPG	



Levee Mile Report Line	67
Start Levee Mile	4.73
End Levee Mile	4.73
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_904.jpg	



Levee Mile Report Line	69
Start Levee Mile	4.75
End Levee Mile	4.75
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_905.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	70
Start Levee Mile	4.77
End Levee Mile	4.77
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mhashch_f_20130923_906.jpg	



Levee Mile Report Line	71
Start Levee Mile	4.82
End Levee Mile	4.82
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Chainlink fence with privacy slats obstructs visibility and access.	
mhashch_f_20130923_048.jpg	



Levee Mile Report Line	73
Start Levee Mile	4.87
End Levee Mile	4.87
Location	Land Side
Category	Earthen Levee
Item	Vegetation
03/16/2012 Landscaping obstructs visibility and access.	
mhashch_f_20130923_049.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	74
Start Levee Mile	4.87
End Levee Mile	4.87
Location	Land Side
Category	Earthen Levee
Item	Encroachments
3/16/2012 Structure is within 15' of levee toe.	
mkhashch_f_20130923_950.jpg	



Levee Mile Report Line	76
Start Levee Mile	4.93
End Levee Mile	4.93
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Wooden fence and braces obstruct access and visibility.	
mkhashch_f_20130923_907.jpg	



Levee Mile Report Line	77
Start Levee Mile	5.08
End Levee Mile	5.08
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_908.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	78
Start Levee Mile	5.13
End Levee Mile	5.13
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_050.jpg	



Levee Mile Report Line	80
Start Levee Mile	5.17
End Levee Mile	5.17
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_909.jpg	



Levee Mile Report Line	81
Start Levee Mile	5.45
End Levee Mile	5.45
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_910.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	85
Start Levee Mile	5.61
End Levee Mile	5.61
Location	Land Side
Category	Earthen Levee
Item	Vegetation
03/16/2012 Landscaping obstructs visibility and access.	
mkhashch_f_20130923_913.jpg	



Levee Mile Report Line	86
Start Levee Mile	5.63
End Levee Mile	5.63
Location	Land Side
Category	Earthen Levee
Item	Vegetation
03/16/2012 Landscaping and fence obstruct visibility and access.	
mkhashch_f_20130923_914.jpg	



Levee Mile Report Line	87
Start Levee Mile	5.64
End Levee Mile	5.64
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_915.jpg	



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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A/W : Acceptable but Monitor & Maintain

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+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	88
Start Levee Mile	5.66
End Levee Mile	5.66
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mhashch_f_20130923_916.jpg	



Levee Mile Report Line	89
Start Levee Mile	5.67
End Levee Mile	5.67
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Structure within 15' of levee toe.	
mhashch_f_20130923_917.jpg	



Levee Mile Report Line	90
Start Levee Mile	5.72
End Levee Mile	5.72
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mhashch_f_20130923_918.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	92
Start Levee Mile	5.76
End Levee Mile	5.76
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Fence and landscaping obstruct visibility and access.	
mhashch_f_20130923_919.jpg	



Levee Mile Report Line	94
Start Levee Mile	5.79
End Levee Mile	5.79
Location	Land Side
Category	Earthen Levee
Item	Vegetation
03/16/2012 Landscaping obstructs access and visibility.	
mhashch_f_20130923_920.jpg	



Levee Mile Report Line	96
Start Levee Mile	5.83
End Levee Mile	5.83
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood and fiberglass structure is within 15' of levee toe.	
mhashch_f_20130923_921.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	98
Start Levee Mile	5.85
End Levee Mile	5.85
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_922.jpg	



Levee Mile Report Line	99
Start Levee Mile	5.85
End Levee Mile	5.85
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
04/14/2011 Large stump at toe of levee.	
mkhashch_f_20130923_033.jpg	



Levee Mile Report Line	100
Start Levee Mile	5.87
End Levee Mile	5.87
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_051.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	101
Start Levee Mile	5.88
End Levee Mile	5.88
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Structure is within 15' of levee toe.	
mkhashch_f_20130923_923.jpg	



Levee Mile Report Line	102
Start Levee Mile	5.89
End Levee Mile	5.89
Location	Land Side
Category	Earthen Levee
Item	Vegetation
03/16/2012 Levee slope is heavily landscaped, retaining wall has been constructed at the levee toe.	
mkhashch_f_20130923_925.jpg	



Levee Mile Report Line	105
Start Levee Mile	5.93
End Levee Mile	5.93
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/15/2011 Large stump at levee toe.	
mkhashch_f_20130923_063.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	106
Start Levee Mile	5.94
End Levee Mile	5.94
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/15/2011 Stump at levee toe.	
mkhashch_f_20130923_064.jpg	



Levee Mile Report Line	107
Start Levee Mile	5.94
End Levee Mile	5.94
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_942.jpg	



Levee Mile Report Line	109
Start Levee Mile	5.97
End Levee Mile	5.97
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_926.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	110
Start Levee Mile	6.00
End Levee Mile	6.00
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the fence at the landside levee toe.

mkhashch_f_20131120_728.JPG



Levee Mile Report Line	112
Start Levee Mile	6.28
End Levee Mile	6.28
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

View of the foot traffic on the landside levee slope.

mkhashch_f_20131120_727.JPG



Levee Mile Report Line	113
Start Levee Mile	6.61
End Levee Mile	6.61
Location	Land Side
Category	Earthen Levee
Item	Encroachments

03/16/2012 Structure for generator is within 5' of levee toe.

mkhashch_f_20130923_927.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	114
Start Levee Mile	6.63
End Levee Mile	6.63
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the water tanks stored at the landside levee toe.	
mhashch_f_20131120_726.JPG	



11/19/2013

Levee Mile Report Line	115
Start Levee Mile	6.66
End Levee Mile	6.66
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the material stored at the landside levee toe.	
mhashch_f_20131120_725.JPG	



11/19/2013

Levee Mile Report Line	116
Start Levee Mile	6.85
End Levee Mile	6.98
Location	Water Side
Category	Earthen Levee
Item	Vegetation
View of landscaping at waterside hinge obstructing visibility.	
mhashch_f_20130923_993.JPG	



10/31/2012 13:30

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	118
Start Levee Mile	7.70
End Levee Mile	7.73
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_928.jpg	



Levee Mile Report Line	119
Start Levee Mile	7.75
End Levee Mile	7.77
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_929.jpg	



Levee Mile Report Line	120
Start Levee Mile	7.80
End Levee Mile	7.82
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_930.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	121
Start Levee Mile	7.83
End Levee Mile	7.86
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_931.jpg	



Levee Mile Report Line	122
Start Levee Mile	7.88
End Levee Mile	7.90
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_932.jpg	



Levee Mile Report Line	123
Start Levee Mile	7.91
End Levee Mile	7.94
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_933.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	124
Start Levee Mile	7.96
End Levee Mile	7.98
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mhashch_f_20130923_934.jpg	



Levee Mile Report Line	126
Start Levee Mile	8.00
End Levee Mile	8.03
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mhashch_f_20130923_052.jpg	



Levee Mile Report Line	127
Start Levee Mile	8.01
End Levee Mile	8.01
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of landscaping at landside levee toe.	
mhashch_f_20130923_034.JPG	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	128
Start Levee Mile	8.04
End Levee Mile	8.07
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_935.jpg	



Levee Mile Report Line	129
Start Levee Mile	8.09
End Levee Mile	8.09
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Brick wall completely obstructs access and visibility.	
mkhashch_f_20130923_936.jpg	



Levee Mile Report Line	130
Start Levee Mile	8.10
End Levee Mile	8.10
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Brick wall completely obstructs access and visibility.	
mkhashch_f_20130923_937.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	131
Start Levee Mile	8.11
End Levee Mile	8.11
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Brick wall completely obstructs access and visibility.	
mkhashch_f_20130923_938.jpg	



Levee Mile Report Line	132
Start Levee Mile	8.13
End Levee Mile	8.13
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/15/2011 Gutter drains that are suspended from the balcony direct flow onto the levee toe.	
mkhashch_f_20130923_065.jpg	



Levee Mile Report Line	133
Start Levee Mile	8.13
End Levee Mile	8.13
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Brick wall completely obstructs access and visibility.	
mkhashch_f_20130923_939.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	134
Start Levee Mile	8.14
End Levee Mile	8.14
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Brick wall completely obstructs access and visibility.	
mkhashch_f_20130923_940.jpg	



Levee Mile Report Line	135
Start Levee Mile	8.15
End Levee Mile	8.15
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Brick wall completely obstructs access and visibility.	
mkhashch_f_20130923_941.jpg	



Levee Mile Report Line	136
Start Levee Mile	8.19
End Levee Mile	8.19
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of the landscaping at the levee toe.	
mkhashch_f_20130923_053.JPG	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	137
Start Levee Mile	8.22
End Levee Mile	8.22
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_943.jpg	



Levee Mile Report Line	138
Start Levee Mile	8.23
End Levee Mile	8.23
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Cinder block wall completely obstructs access and visibility.	
mkhashch_f_20130923_944.jpg	



Levee Mile Report Line	139
Start Levee Mile	8.25
End Levee Mile	8.25
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Cinder block wall completely obstructs access and visibility.	
mkhashch_f_20130923_945.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	140
Start Levee Mile	8.25
End Levee Mile	8.25
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Cinder block fence completely obstructs access and visibility.	
mkhashch_f_20130923_946.jpg	



Levee Mile Report Line	141
Start Levee Mile	8.27
End Levee Mile	8.27
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_947.jpg	



Levee Mile Report Line	142
Start Levee Mile	8.28
End Levee Mile	8.28
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_948.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	143
Start Levee Mile	8.29
End Levee Mile	8.29
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_949.jpg	



Levee Mile Report Line	144
Start Levee Mile	8.31
End Levee Mile	8.31
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_951.jpg	



Levee Mile Report Line	145
Start Levee Mile	8.32
End Levee Mile	8.32
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_952.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	146
Start Levee Mile	8.33
End Levee Mile	8.33
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_953.jpg	



Levee Mile Report Line	147
Start Levee Mile	8.34
End Levee Mile	8.34
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_954.jpg	



Levee Mile Report Line	148
Start Levee Mile	8.39
End Levee Mile	8.39
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_955.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	149
Start Levee Mile	8.45
End Levee Mile	8.45
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of the landscaping at the levee toe.

mkhashch_f_20130923_956.JPG



Levee Mile Report Line	150
Start Levee Mile	8.47
End Levee Mile	8.47
Location	Land Side
Category	Earthen Levee
Item	Encroachments

03/16/2012 Wood privacy fence completely obstructs access and visibility.

mkhashch_f_20130923_957.jpg



Levee Mile Report Line	151
Start Levee Mile	8.48
End Levee Mile	8.48
Location	Land Side
Category	Earthen Levee
Item	Encroachments

03/16/2012 Wood privacy fence completely obstructs access and visibility.

mkhashch_f_20130923_958.jpg



* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	152
Start Levee Mile	8.51
End Levee Mile	8.51
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of the palm trees at the levee toe.

mkhashch_f_20130923_959.JPG



Levee Mile Report Line	153
Start Levee Mile	8.52
End Levee Mile	8.52
Location	Land Side
Category	Earthen Levee
Item	Encroachments

03/16/2012 Wood privacy fence completely obstructs access and visibility.

mkhashch_f_20130923_960.jpg



Levee Mile Report Line	154
Start Levee Mile	8.54
End Levee Mile	8.54
Location	Land Side
Category	Earthen Levee
Item	Vegetation

03/16/2012 Landscaping obstructs visibility and access.

mkhashch_f_20130923_961.jpg



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	155
Start Levee Mile	8.55
End Levee Mile	8.55
Location	Land Side
Category	Earthen Levee
Item	Vegetation
03/16/2012 Landscaping obstructs visibility and access.	
mhashch_f_20130923_962.jpg	



Levee Mile Report Line	157
Start Levee Mile	8.57
End Levee Mile	8.57
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mhashch_f_20130923_963.jpg	



Levee Mile Report Line	158
Start Levee Mile	8.58
End Levee Mile	8.58
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mhashch_f_20130923_964.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	159
Start Levee Mile	8.59
End Levee Mile	8.59
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of landscaping at the levee toe.



Levee Mile Report Line	160
Start Levee Mile	8.60
End Levee Mile	8.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments

03/16/2012 Wood privacy fence completely obstructs access and visibility.



Levee Mile Report Line	161
Start Levee Mile	8.61
End Levee Mile	8.61
Location	Land Side
Category	Earthen Levee
Item	Vegetation

03/16/2012 Landscaping on chainlink fence blocks visibility and access.



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	162
Start Levee Mile	8.63
End Levee Mile	8.63
Location	Land Side
Category	Earthen Levee
Item	Vegetation
03/16/2012 Ivy on chainlink fence completely obstructs visibility and access.	
mhashch_f_20130923_968.jpg	



Levee Mile Report Line	163
Start Levee Mile	8.65
End Levee Mile	8.65
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mhashch_f_20130923_969.jpg	



Levee Mile Report Line	164
Start Levee Mile	8.66
End Levee Mile	8.66
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mhashch_f_20130923_971.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	165
Start Levee Mile	8.67
End Levee Mile	8.67
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_970.jpg	



Levee Mile Report Line	166
Start Levee Mile	8.68
End Levee Mile	8.68
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_972.jpg	



Levee Mile Report Line	167
Start Levee Mile	8.70
End Levee Mile	8.70
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_973.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	168
Start Levee Mile	8.98
End Levee Mile	8.98
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Chainlink fence with privacy slats and barbed wire obstruct visibility and access.	
mhashch_f_20130923_055.jpg	



Levee Mile Report Line	169
Start Levee Mile	9.49
End Levee Mile	9.49
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Drainage outfall to American River.	
mhashch_f_20130923_026.jpg	



Levee Mile Report Line	169
Start Levee Mile	9.49
End Levee Mile	9.49
Location	Water Side
Category	Earthen Levee
Item	Encroachments
View of exposed pipe at waterside toe.	
mhashch_f_20130923_027.JPG	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	170
Start Levee Mile	9.54
End Levee Mile	9.54
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of landscaping at levee toe in progress of removal by LMA.	
mkhashch_f_20130923_974.JPG	



Levee Mile Report Line	171
Start Levee Mile	9.57
End Levee Mile	9.57
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of landscaping at levee toe.	
mkhashch_f_20130923_056.JPG	



Levee Mile Report Line	172
Start Levee Mile	9.61
End Levee Mile	9.61
Location	Land Side
Category	Earthen Levee
Item	Vegetation
03/16/2012 Landscaping obstructs visibility and access.	
mkhashch_f_20130923_975.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	174
Start Levee Mile	9.64
End Levee Mile	9.64
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of landscaping at levee toe.

mkhashch_f_20130923_976.JPG



Levee Mile Report Line	175
Start Levee Mile	9.66
End Levee Mile	9.66
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

03/16/2012 Large tree stump at levee toe.

mkhashch_f_20130923_977.jpg



Levee Mile Report Line	176
Start Levee Mile	9.67
End Levee Mile	9.67
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of landscaping at levee toe.

mkhashch_f_20130923_978.JPG



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	177
Start Levee Mile	9.69
End Levee Mile	9.69
Location	Land Side
Category	Earthen Levee
Item	Vegetation
03/16/2012 Landscaping obstructs visibility and access.	
mkhashch_f_20130923_979.jpg	



Levee Mile Report Line	179
Start Levee Mile	9.72
End Levee Mile	9.72
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of landscaping on levee slope.	
mkhashch_f_20130923_980.JPG	



Levee Mile Report Line	180
Start Levee Mile	9.74
End Levee Mile	9.74
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_981.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	181
Start Levee Mile	9.76
End Levee Mile	9.76
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of landscaping at levee toe.

mhashch_f_20130923_982.JPG



Levee Mile Report Line	182
Start Levee Mile	9.78
End Levee Mile	9.78
Location	Land Side
Category	Earthen Levee
Item	Vegetation

03/16/2012 Tall hedge obstructs visibility and access.

mhashch_f_20130923_983.jpg



Levee Mile Report Line	183
Start Levee Mile	9.79
End Levee Mile	9.79
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of landscaping at levee toe.

mhashch_f_20130923_984.JPG



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	184
Start Levee Mile	9.82
End Levee Mile	9.82
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of obstructive landscaping.

mkhashch_f_20130923_985.JPG



Levee Mile Report Line	185
Start Levee Mile	9.84
End Levee Mile	9.84
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of landscaping at levee toe.

mkhashch_f_20130923_986.JPG



Levee Mile Report Line	186
Start Levee Mile	9.86
End Levee Mile	9.86
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of landscaping and playhouse.

mkhashch_f_20130923_987.JPG



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	187
Start Levee Mile	9.98
End Levee Mile	9.98
Location	Land Side
Category	Earthen Levee
Item	Vegetation
03/16/2012 Landscaping is obstructing visibility.	
mhashch_f_20130923_988.jpg	



Levee Mile Report Line	188
Start Levee Mile	10.04
End Levee Mile	10.04
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the fence and tree stump at the landside levee toe.	
mhashch_f_20131120_724.JPG	



Levee Mile Report Line	190
Start Levee Mile	10.07
End Levee Mile	10.07
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of encroaching landscaping.	
mhashch_f_20130923_990.JPG	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	191
Start Levee Mile	10.09
End Levee Mile	10.09
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of the landscaping on levee slope.

mkhashch_f_20130923_057.JPG



Levee Mile Report Line	192
Start Levee Mile	10.10
End Levee Mile	10.10
Location	Land Side
Category	Earthen Levee
Item	Encroachments

03/16/2012 Wood privacy fence completely obstructs access and visibility.

mkhashch_f_20130923_991.jpg



Levee Mile Report Line	193
Start Levee Mile	10.12
End Levee Mile	10.12
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the pool filled with water.

mkhashch_f_20131120_723.JPG



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	194
Start Levee Mile	10.18
End Levee Mile	10.18
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood structure within 15' of levee toe.	
mkhashch_f_20130923_028.jpg	



Levee Mile Report Line	195
Start Levee Mile	10.34
End Levee Mile	10.37
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_994.jpg	



Levee Mile Report Line	196
Start Levee Mile	10.38
End Levee Mile	10.40
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Wooden fence behind apartments within 10' of levee toe.	
mkhashch_f_20130923_995.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	197
Start Levee Mile	10.41
End Levee Mile	10.42
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_999.jpg	



Levee Mile Report Line	198
Start Levee Mile	10.42
End Levee Mile	10.44
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_996.jpg	



Levee Mile Report Line	199
Start Levee Mile	10.45
End Levee Mile	10.48
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_997.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	200
Start Levee Mile	10.48
End Levee Mile	10.51
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_998.jpg	



Levee Mile Report Line	201
Start Levee Mile	10.53
End Levee Mile	10.53
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_000.jpg	



Levee Mile Report Line	202
Start Levee Mile	10.56
End Levee Mile	10.56
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_001.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	203
Start Levee Mile	10.57
End Levee Mile	10.57
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Chainlink fence is partially obstructing visibility and access.	
mkhashch_f_20131120_722.JPG	



11/19/2013

Levee Mile Report Line	204
Start Levee Mile	10.58
End Levee Mile	10.58
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_002.jpg	



Levee Mile Report Line	205
Start Levee Mile	10.60
End Levee Mile	10.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_003.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	206
Start Levee Mile	10.62
End Levee Mile	10.62
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_004.jpg	



Levee Mile Report Line	207
Start Levee Mile	10.63
End Levee Mile	10.63
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_005.jpg	



Levee Mile Report Line	208
Start Levee Mile	10.67
End Levee Mile	10.67
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_006.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	209
Start Levee Mile	10.68
End Levee Mile	10.68
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mhashch_f_20130923_007.jpg	



Levee Mile Report Line	210
Start Levee Mile	10.69
End Levee Mile	10.69
Location	Land Side
Category	Earthen Levee
Item	Vegetation
03/16/2012 Trees and bushes within 10' of levee toe.	
mhashch_f_20130923_008.jpg	



Levee Mile Report Line	211
Start Levee Mile	10.71
End Levee Mile	10.71
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mhashch_f_20130923_009.jpg	



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LS : Land Side
WS : Water Side
CR : Crown

** Rating
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+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	212
Start Levee Mile	10.71
End Levee Mile	10.71
Location	Land Side
Category	Earthen Levee
Item	Vegetation
03/16/2012 Landscaping obstructs visibility	
mkhashch_f_20130923_010.jpg	



Levee Mile Report Line	213
Start Levee Mile	10.73
End Levee Mile	10.73
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_011.jpg	



Levee Mile Report Line	214
Start Levee Mile	10.73
End Levee Mile	10.73
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_012.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	216
Start Levee Mile	10.74
End Levee Mile	10.74
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_013.jpg	



Levee Mile Report Line	217
Start Levee Mile	10.75
End Levee Mile	10.75
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of wood privacy fence completely obstructing access and visibility.	
mkhashch_f_20131120_721.JPG	



Levee Mile Report Line	218
Start Levee Mile	10.77
End Levee Mile	10.77
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Bamboo panels on chainlink fence completely obstruct visibility.	
mkhashch_f_20130923_031.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	219
Start Levee Mile	10.79
End Levee Mile	10.79
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Chainlink fence partially blocks visibility.	
mhashch_f_20130923_030.jpg	



Levee Mile Report Line	220
Start Levee Mile	10.80
End Levee Mile	10.80
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mhashch_f_20130923_015.jpg	



Levee Mile Report Line	221
Start Levee Mile	10.82
End Levee Mile	10.82
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mhashch_f_20130923_016.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	222
Start Levee Mile	10.83
End Levee Mile	10.83
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_024.jpg	



Levee Mile Report Line	223
Start Levee Mile	10.84
End Levee Mile	10.84
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the fence obstructing visibility and access.	
mkhashch_f_20131120_720.JPG	



Levee Mile Report Line	224
Start Levee Mile	10.86
End Levee Mile	10.86
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_018.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	225
Start Levee Mile	10.87
End Levee Mile	10.87
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_023.jpg	



Levee Mile Report Line	226
Start Levee Mile	10.88
End Levee Mile	10.88
Location	Land Side
Category	Earthen Levee
Item	Vegetation
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_021.jpg	



Levee Mile Report Line	227
Start Levee Mile	10.89
End Levee Mile	10.89
Location	Land Side
Category	Earthen Levee
Item	Vegetation
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_019.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	228
Start Levee Mile	10.91
End Levee Mile	10.91
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_017.jpg	



Levee Mile Report Line	229
Start Levee Mile	10.92
End Levee Mile	10.92
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
View of the tree obstructing visibility of the landside levee slope.	
mkhashch_f_20131120_719.JPG	



Levee Mile Report Line	230
Start Levee Mile	10.92
End Levee Mile	10.94
Location	Land Side
Category	Earthen Levee
Item	Encroachments
03/16/2012 Wood privacy fence completely obstructs access and visibility.	
mkhashch_f_20130923_020.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 American River	Left	10.97	11/19/2013 11/20/2013	Maksim Khashchuk

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

American River Flood Control District

Waterway			Bank	Unit Miles
Unit No. 05 Sacramento River			Left	0.40
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/19/2013 - 03/19/2013		11/20/2013 - 11/20/2013	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Richard Marck ARFCDF		Richard Marck ARFCDF	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment			GPS Latitude/Longitude	Issue No.
	Start	End								Start	Photo
1	0.10	0.16	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En	Inspector Comments: Landscaping behind Best Western.			38.595044 ° 38.594117 ° 2 -121.506497 ° -121.506377 ° Y DWR ID: DWR_NA0001_05_s_2012_2
2	0.27	0.35	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En	Inspector Comments: Landscaping at City intake facility.			38.592630 ° 38.591517 ° 5 -121.505850 ° -121.505447 ° Y DWR ID: DWR_NA0001_05_s_2012_5

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Sacramento River	Left	0.40	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.10
End Levee Mile	0.16
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of landscaping on landside levee slope obstructing visibility and access.	
mkhashch_f_20131120_737.JPG	



Levee Mile Report Line	2
Start Levee Mile	0.27
End Levee Mile	0.35
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping at City intake facility.	
mkhashch_f_20131120_738.JPG	



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

American River Flood Control District

Waterway			Bank	Unit Miles
Unit No. 06 Linda Creek			Left	1.30
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/27/2013 - 03/27/2013		11/20/2013 - 11/21/2013	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Richard Marck ARFCDD		Richard Marck ARFCDD	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 Linda Creek						Left	1.30	11/20/2013 11/21/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.60	0.60	Earthen Levee	Encroachments	LS A/W	PI : Pipe En		38.659649 °	38.659649 °	8
								-121.464167 °	-121.464167 °	Y
								DWR ID: DWR_NA0001_06_s_2013_8		
2	0.75	0.75	Earthen Levee	Encroachments	LS A/W	PI : Pipe En		38.660498 °	38.660498 °	7
								-121.461833 °	-121.461833 °	Y
								DWR ID: DWR_NA0001_06_s_2013_7		
3	0.95	0.95	Earthen Levee	Vegetation	LS Ma	A V1 : Control annual grass and weeds on the levee slopes and easements.		38.662017 °	38.662017 °	3
								-121.458745 °	-121.458745 °	Y
								DWR ID: DWR_NA0001_06_f_2013_3		

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 Linda Creek	Left	1.30	11/20/2013 11/21/2013	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.60
End Levee Mile	0.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the pumping plant at the landside levee toe.	
mkhashch_f_20130923_068.JPG	



Levee Mile Report Line	2
Start Levee Mile	0.75
End Levee Mile	0.75
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the pipe at the landside levee toe.	
mkhashch_f_20131121_746.JPG	



Levee Mile Report Line	3
Start Levee Mile	0.95
End Levee Mile	0.95
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of the acceptable vegetation control on the levee slope.	
mkhashch_f_20131121_745.JPG	



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

American River Flood Control District

Waterway			Bank	Unit Miles
Unit No. 07 Arcade Creek			Right	1.92
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/27/2013 - 03/27/2013		11/20/2013 - 11/20/2013	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Richard Marck ARFCDF		Richard Marck ARFCDF	

Summer & Winter Inspections

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
L/MR No.	Levee Mile		Category	Item	* Location	* Rating	Action/Comment			GPS Latitude/Longitude	Issue No.
	Start	End			+ -	+	Start	End	Photo		
1	0.38	0.38	Earthen Levee	Encroachments	CR A/W	PI : Pipe En	Inspector Comments: Closure device for sewer line located on levee crown.			38.623466 ° 38.623466 ° 17 -121.461801 ° -121.461801 ° Y	DWR ID: DWR_NA0001_07_s_2012_17
2	0.92	0.92	Earthen Levee	Slope Stability	LS M	S2 : Repair the levee slope damaged by foot traffic and prevent access where possible. Ma				38.625733 ° 38.625733 ° 19 -121.453153 ° -121.453153 ° Y	DWR ID: DWR_NA0001_07_f_2013_19
3	1.05	1.05	Earthen Levee	Slope Stability	LS M	S2 : Repair the levee slope damaged by foot traffic and prevent access where possible. Ma				38.625863 ° 38.625863 ° 32 -121.450902 ° -121.450902 ° Y	DWR ID: DWR_NA0001_07_f_2013_32
4	1.36	1.36	Earthen Levee	Slope Stability	LS A/W	S2 : Repair the levee slope damaged by foot traffic and prevent access where possible. Ma	Inspector Comments: Damage caused by foot traffic.			38.626612 ° 38.626612 ° 34 -121.445120 ° -121.445120 ° Y	DWR ID: DWR_NA0001_07_s_2012_34
5	1.49	1.49	Earthen Levee	Encroachments	LS M	FE : Fence En				38.627526 ° 38.627526 ° 8 -121.443310 ° -121.443310 ° Y	DWR ID: DWR_NA0001_07_s_2013_8
6	1.53	1.53	Earthen Levee	Vegetation	LS M	V6 : Landscaping En	Inspector Comments: Cactus planted within 10-ft of levee toe. Storage building is also within 10-ft of the toe.			38.627742 ° 38.627742 ° 2 -121.442524 ° -121.442524 ° Y	DWR ID: DWR_NA0001_07_s_2012_2
7	1.54	1.54	Earthen Levee	Encroachments	LS U	BU : Building En	Inspector Comments: Large side building is within 10-ft of the levee toe.			38.627744 ° 38.627744 ° 30 -121.442367 ° -121.442367 ° Y	DWR ID: DWR_NA0001_07_s_2012_30
8	1.56	1.56	Earthen Levee	Encroachments	LS U	FE : Fence En	Inspector Comments: Wooden privacy fence is within 10-ft of the levee toe.			38.627682 ° 38.627682 ° 3 -121.442113 ° -121.442113 ° Y	DWR ID: DWR_NA0001_07_s_2012_3
9	1.56	1.56	Earthen Levee	Encroachments	LS U	FE : Fence En	Inspector Comments: Wooden privacy fence is within 10-ft of the levee toe.			38.627707 ° 38.627707 ° 4 -121.441965 ° -121.441965 ° Y	DWR ID: DWR_NA0001_07_s_2012_4
10	1.57	1.57	Earthen Levee	Encroachments	LS M	DE : Debris Ma	Inspector Comments: Yard waste and debris at landside toe.			38.627780 ° 38.627780 ° 181 -121.441867 ° -121.441867 ° Y	DWR ID: DWR_NA0001_07_s_2012_181
11	1.59	1.59	Earthen Levee	Encroachments	LS M	FE : Fence En	Inspector Comments: Privacy fence is within 10-ft of the levee toe.			38.627733 ° 38.627733 ° 29 -121.441415 ° -121.441415 ° Y	DWR ID: DWR_NA0001_07_s_2012_29
12	1.60	1.60	Earthen Levee	Encroachments	LS M	FE : Fence En	Inspector Comments: Privacy fence is within 10-ft of the levee toe.			38.627708 ° 38.627708 ° 28 -121.441254 ° -121.441254 ° Y	DWR ID: DWR_NA0001_07_s_2012_28

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
L/MR No	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End		
13	1.62	1.62	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Privacy fence and overgrown trees are within 10-ft of the levee toe.	38.627681 °	38.627681 °	27	-121.441021 ° -121.441021 ° Y
											DWR ID: DWR_NA0001_07_s_2012_27
14	1.62	1.62	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Wooden privacy fence is within 10-ft of the levee toe.	38.627663 °	38.627663 °	26	-121.440784 ° -121.440784 ° Y
											DWR ID: DWR_NA0001_07_s_2012_26
15	1.62	1.62	Earthen Levee	Trim / Thin Trees	LS Ma	N	T5 : Tree stumps.	38.627669 °	38.627669 °	35	-121.440853 ° -121.440853 °
											DWR ID: DWR_NA0001_07_f_2013_35
16	1.64	1.64	Earthen Levee	Encroachments	LS Ma	C	DE : Debris Inspector Comments: Concrete, wire and various yard debris at toe.	38.627682 °	38.627682 °	182	-121.440628 ° -121.440628 °
											DWR ID: DWR_NA0001_07_s_2012_182
17	1.64	1.64	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Wooden privacy fence is within 10-ft of the levee toe.	38.627679 °	38.627679 °	25	-121.440582 ° -121.440582 ° Y
											DWR ID: DWR_NA0001_07_s_2012_25
18	1.67	1.67	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Wooden privacy fence with vines are within 10-ft of the levee toe.	38.627948 °	38.627948 °	6	-121.439958 ° -121.439958 ° Y
											DWR ID: DWR_NA0001_07_s_2012_6
19	1.68	1.68	Earthen Levee	Encroachments	LS En	U	BU : Building Inspector Comments: Construction of new structure is within 15' of levee.	38.628004 °	38.628004 °	1	-121.439927 ° -121.439927 ° Y
											DWR ID: DWR_NA0001_07_s_2012_1
20	1.69	1.69	Earthen Levee	Encroachments	LS En	U	BU : Building Inspector Comments: Corner of building protrudes into levee slope. Wooden fence is built on the levee slope.	38.627935 °	38.627935 °	7	-121.439758 ° -121.439758 ° Y
											DWR ID: DWR_NA0001_07_s_2012_7
21	1.70	1.70	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping Inspector Comments: Palm tree was trimmed up.	38.628086 °	38.628086 °	24	-121.439544 ° -121.439544 ° Y
											DWR ID: DWR_NA0001_07_s_2012_24
22	1.73	1.73	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Wooden fence and cedar trees are within 10-ft of levee toe.	38.628208 °	38.628208 °	23	-121.439142 ° -121.439142 ° Y
											DWR ID: DWR_NA0001_07_s_2012_23
23	1.74	1.74	Earthen Levee	Encroachments	LS En	U	FE : Fence Inspector Comments: Wooden privacy fence is within 10-ft of the levee toe.	38.628197 °	38.628197 °	9	-121.438863 ° -121.438863 ° Y
											DWR ID: DWR_NA0001_07_s_2012_9
24	1.77	1.77	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping Inspector Comments: Ivy and other landscape plantings have grown up chain link fence on the levee toe. Building is within 10-ft of the levee toe. Prunings are on the levee slope.	38.628273 °	38.628273 °	10	-121.438255 ° -121.438255 ° Y
											DWR ID: DWR_NA0001_07_s_2012_10

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek								Right	1.92	11/20/2013 11/20/2013	Maksim Khashchuk
MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End		
25	1.79	1.79	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping Inspector Comments: Dense ivy and landscaping planted on chain link fence on levee toe. Porch and awning are within 10-ft of the levee toe.	38.628297 ° -121.437995 °	38.628297 ° -121.437995 °	11 Y	
										DWR ID: DWR_NA0001_07_f_2012_11	
26	1.80	1.80	Earthen Levee	Encroachments	LS En	M	FE : Fence Inspector Comments: Chain link privacy fence with barbed wire is within 10-ft of levee toe.	38.628307 ° -121.437842 °	38.628307 ° -121.437842 °	12 Y	
										DWR ID: DWR_NA0001_07_s_2012_12	
27	1.81	1.81	Earthen Levee	Encroachments	LS En	M	FE : Fence Inspector Comments: Chain link privacy fence is within 10-ft of levee toe.	38.628303 ° -121.437693 °	38.628303 ° -121.437693 °	13 Y	
										DWR ID: DWR_NA0001_07_s_2012_13	
28	1.81	1.81	Earthen Levee	Encroachments	LS En	M	FE : Fence Inspector Comments: Chain link privacy fence is within 10-ft of levee toe.	38.628303 ° -121.437530 °	38.628303 ° -121.437530 °	14 Y	
										DWR ID: DWR_NA0001_07_s_2012_14	
29	1.83	1.83	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping Inspector Comments: Dense ivy growing on chain link fence within 10-ft of levee toe.	38.628295 ° -121.437282 °	38.628295 ° -121.437282 °	15 Y	
										DWR ID: DWR_NA0001_07_s_2012_15	
30	1.84	1.84	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping Inspector Comments: Dense ivy and trees along chain link fence on levee toe. Large green colored building is within 10-ft of levee toe.	38.628262 ° -121.436985 °	38.628262 ° -121.436985 °	16 Y	
										DWR ID: DWR_NA0001_07_s_2012_16	
31	1.85	1.85	Earthen Levee	Encroachments	LS En	U	BU : Building Inspector Comments: Wooden shed and landscaping along chain link fence within 10-ft of levee toe.	38.628318 ° -121.436794 °	38.628318 ° -121.436794 °	22 Y	
										DWR ID: DWR_NA0001_07_s_2012_22	
32	1.88	1.88	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping Inspector Comments: Blue colored wooden side building and juniper trees along chain link fence are within 10-ft of landside toe.	38.628280 ° -121.436365 °	38.628280 ° -121.436365 °	21 Y	
										DWR ID: DWR_NA0001_07_s_2012_21	

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.92	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.38
End Levee Mile	0.38
Location	Crown
Category	Earthen Levee
Item	Encroachments
Closure device for SS beneath channel.	
mkhashch_f_20130923_086.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.92
End Levee Mile	0.92
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
View of the foot traffic on the landside levee slope.	
mkhashch_f_20131120_732.JPG	



Levee Mile Report Line	3
Start Levee Mile	1.05
End Levee Mile	1.05
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
View of the foot traffic on the landside levee toe.	
mkhashch_f_20131120_733.JPG	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.92	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	4
Start Levee Mile	1.36
End Levee Mile	1.36
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
View of the landside levee slope damaged by foot traffic.	
mkhashch_f_20130923_097.JPG	



Levee Mile Report Line	5
Start Levee Mile	1.49
End Levee Mile	1.49
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the fence obstruction visibility and access at the landside levee toe.	
mkhashch_f_20130923_075.JPG	



Levee Mile Report Line	6
Start Levee Mile	1.53
End Levee Mile	1.53
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Large cactus is growing through the fence and obstructing access and visibility at the levee toe.	
mkhashch_f_20130923_070.JPG	



* Location LS : Land Side WS : Water Side CR : Crown

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+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.92	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	7
Start Levee Mile	1.54
End Levee Mile	1.54
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Building obstructs visibility and access.	
mkhashch_f_20130923_096.jpg	



Levee Mile Report Line	8
Start Levee Mile	1.56
End Levee Mile	1.56
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Wooden privacy fence is constructed at the landside levee toe.	
mkhashch_f_20131120_734.JPG	



Levee Mile Report Line	9
Start Levee Mile	1.56
End Levee Mile	1.56
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Wooden privacy fence is constructed at the toe.	
mkhashch_f_20130923_072.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

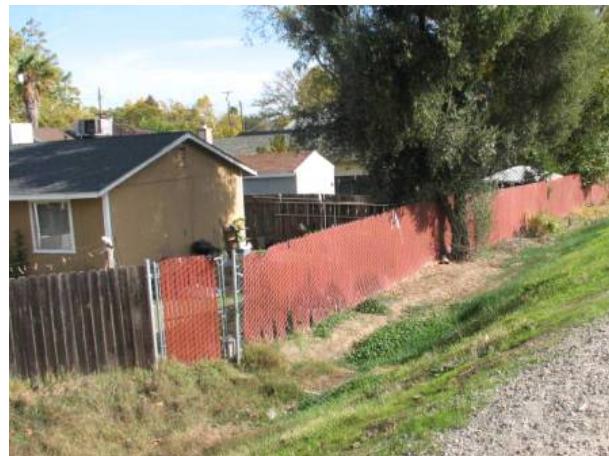
American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.92	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	10
Start Levee Mile	1.57
End Levee Mile	1.57
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Yard waste and debris at the landside levee toe.	
mkhashch_f_20131120_735.JPG	



Levee Mile Report Line	11
Start Levee Mile	1.59
End Levee Mile	1.59
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Privacy fence is constructed at the toe.	
mkhashch_f_20130923_095.jpg	



Levee Mile Report Line	12
Start Levee Mile	1.60
End Levee Mile	1.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Privacy fence is constructed at the toe.	
mkhashch_f_20130923_094.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.92	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	13
Start Levee Mile	1.62
End Levee Mile	1.62
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Privacy fence is constructed at the toe.	
mkhashch_f_20130923_093.jpg	



Levee Mile Report Line	14
Start Levee Mile	1.62
End Levee Mile	1.62
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Wooden privacy fence is constructed at the toe.	
mkhashch_f_20130923_092.jpg	



Levee Mile Report Line	17
Start Levee Mile	1.64
End Levee Mile	1.64
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Wooden privacy fence is constructed at the toe.	
mkhashch_f_20130923_091.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.92	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	18
Start Levee Mile	1.67
End Levee Mile	1.67
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the wooden fence at the landside levee toe.	
mkhashch_f_20131120_736.JPG	



Levee Mile Report Line	19
Start Levee Mile	1.68
End Levee Mile	1.68
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of wood structure covered in tarp.	
mkhashch_f_20130923_069.JPG	



Levee Mile Report Line	20
Start Levee Mile	1.69
End Levee Mile	1.69
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Building is constructed at the toe.	
mkhashch_f_20130923_074.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.92	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	21
Start Levee Mile	1.70
End Levee Mile	1.70
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of palm tree within 10-ft of the levee toe trimmed up from previous inspection.	
mkhashch_f_20130923_090.JPG	



Levee Mile Report Line	22
Start Levee Mile	1.73
End Levee Mile	1.73
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of wooden privacy fence constructed at the toe.	
mkhashch_f_20130923_089.JPG	



Levee Mile Report Line	23
Start Levee Mile	1.74
End Levee Mile	1.74
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Wooden privacy fence is constructed at the toe.	
mkhashch_f_20130923_076.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.92	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	24
Start Levee Mile	1.77
End Levee Mile	1.77
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Fall 2009 photo of landscaping within 10-ft of the levee toe obstructs visibility and access.	
mkhashch_f_20130923_077.jpg	



Levee Mile Report Line	24
Start Levee Mile	1.77
End Levee Mile	1.77
Location	Land Side
Category	Earthen Levee
Item	Vegetation
11/17/2011 Landscaping has grown over the fence and obstructs visibility and access.	
mkhashch_f_20130923_078.jpg	



Levee Mile Report Line	25
Start Levee Mile	1.79
End Levee Mile	1.79
Location	Land Side
Category	Earthen Levee
Item	Vegetation
11/17/2011 Overgrown vegetation obstructs visibility and access.	
mkhashch_f_20130923_079.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.92	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	26
Start Levee Mile	1.80
End Levee Mile	1.80
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Barbed wire topped privacy fence is located at the toe.	
mkhashch_f_20130923_080.jpg	



Levee Mile Report Line	27
Start Levee Mile	1.81
End Levee Mile	1.81
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Privacy fence is located at the toe.	
mkhashch_f_20130923_081.jpg	



Levee Mile Report Line	28
Start Levee Mile	1.81
End Levee Mile	1.81
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Fall 2009 photo of privacy fence within 10-ft of the levee toe obstructs visibility and access.	
mkhashch_f_20130923_082.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.92	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	29
Start Levee Mile	1.83
End Levee Mile	1.83
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Fall 2009 photo of dense ivy and fence obstruct visibility and access.	
mkhashch_f_20130923_083.jpg	



Levee Mile Report Line	29
Start Levee Mile	1.83
End Levee Mile	1.83
Location	Land Side
Category	Earthen Levee
Item	Vegetation
11/17/2011 Dense vegetation at the toe.	
mkhashch_f_20130923_084.jpg	



Levee Mile Report Line	30
Start Levee Mile	1.84
End Levee Mile	1.84
Location	Land Side
Category	Earthen Levee
Item	Vegetation
11/17/2011 Vegetation and building obstruct visibility and access to the levee toe.	
mkhashch_f_20130923_085.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Arcade Creek	Right	1.92	11/20/2013 11/20/2013	Maksim Khashchuk

Levee Mile Report Line	31
Start Levee Mile	1.85
End Levee Mile	1.85
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Building is too close to the levee toe and obstructs visibility and access.	
mkhashch_f_20130923_088.jpg	



Levee Mile Report Line	32
Start Levee Mile	1.88
End Levee Mile	1.88
Location	Land Side
Category	Earthen Levee
Item	Vegetation
11/17/2011 Building and landscaping are too close to the levee toe.	
mkhashch_f_20130923_087.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

American River Flood Control District

Waterway			Bank	Unit Miles
Unit No. 08 Magpie Creek Diversion			Left	1.43
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/27/2013 - 03/27/2013		11/21/2013 - 11/21/2013	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Richard Marck ARFCDD		Richard Marck ARFCDD	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
LMR No.	Levee Mile		Category	Item	* Location Start	* Rating +	Action/Comment	GPS Latitude/Longitude		Issue No. Start	Photo
	Levee Mile	End						Start	End		
1	0.31	0.48	Earthen Levee	Encroachments	LS	M	FE : Fence En Inspector Comments: Chain link fence near levee toe limits access.	38.668191 °	38.668118 °	4	-121.442059 ° -121.438659 ° Y
											DWR ID: DWR_NA0001_08_s_2012_4
2	0.31	0.48	Earthen Levee	Vegetation	WSA/W	V8	Environmental Requirements. En Inspector Comments: Re-vegetation site on levee slope.	38.668191 °	38.668116 °	5	-121.442059 ° -121.438661 °
											DWR ID: DWR_NA0001_08_s_2012_5
3	0.33	0.33	Earthen Levee	Encroachments	LS	U	BU : Building En Inspector Comments: Building under construction within 10 feet of landside levee toe.	38.668135 °	38.668135 °	15	-121.441563 ° -121.441563 ° Y
											DWR ID: DWR_NA0001_08_f_2013_15
4	0.43	0.43	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En Inspector Comments: Vines on fence limit visibility.	38.668141 °	38.668147 °	6	-121.439755 ° -121.440248 ° Y
											DWR ID: DWR_NA0001_08_s_2012_6
5	0.48	0.48	Earthen Levee	Vegetation	WS	M	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.668110 °	38.668110 °	14	-121.438727 ° -121.438727 ° Y
											DWR ID: DWR_NA0001_08_s_2013_14
6	0.51	1.02	Earthen Levee	Encroachments	WS	U	MA : Material En Inspector Comments: This portion of the levee is inaccessible for maintenance.	38.668132 °	38.665528 °	1	-121.438229 ° -121.431688 ° Y
											DWR ID: DWR_NA0001_08_s_2012_1
7	1.22	1.28	Earthen Levee	Encroachments	LS	M	FE : Fence En Inspector Comments: Barbed wire fence runs along the levee toe.	38.662715 °	38.661584 °	2	-121.431666 ° -121.431402 ° Y
											DWR ID: DWR_NA0001_08_s_2012_2
8	1.29	1.32	Earthen Levee	Encroachments	LS	M	FE : Fence En Inspector Comments: Cyclone fence with barbed wire within 10' of toe for part of its alignment.	38.661593 °	38.661370 °	7	-121.431420 ° -121.430943 ° Y
											DWR ID: DWR_NA0001_08_s_2012_7
9	1.38	1.38	Earthen Levee	Vegetation	LS	M	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.660987 °	38.660987 °	13	-121.430120 ° -121.430120 ° Y
											DWR ID: DWR_NA0001_08_s_2013_13
10	1.38	1.42	Earthen Levee	Encroachments	LS	M	FE : Fence En Inspector Comments: Cyclone fence alignment returns to within 10' of toe.	38.660968 °	38.660828 °	8	-121.430023 ° -121.429428 ° Y
											DWR ID: DWR_NA0001_08_s_2013_8
11	1.39	1.39	Earthen Levee	Encroachments	WSA/W	PI	Pipe En	38.660896 °	38.660896 °	3	-121.429888 ° -121.429888 ° Y
											DWR ID: DWR_NA0001_08_s_2013_3

* Location LS : Land Side WS : Water Side CR : Crown

** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Magpie Creek Diversion	Left	1.43	11/21/2013 11/21/2013	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.31
End Levee Mile	0.48
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the chainlink fence at landside levee toe facing downstream.	
mhashch_f_20131121_742.JPG	



Levee Mile Report Line	3
Start Levee Mile	0.33
End Levee Mile	0.33
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the building under long term construction or remodel within 10 feet of landside levee toe, facing downstream.	
mhashch_f_20131121_743.JPG	



Levee Mile Report Line	4
Start Levee Mile	0.43
End Levee Mile	0.43
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of the vines on fence obstructing visibility of landside toe.	
mhashch_f_20130923_103.JPG	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Magpie Creek Diversion	Left	1.43	11/21/2013 11/21/2013	Maksim Khashchuk

Levee Mile Report Line	5
Start Levee Mile	0.48
End Levee Mile	0.48
Location	Water Side
Category	Earthen Levee
Item	Vegetation
View of the woody vegetation on the waterside levee slope.	
mhashch_f_20130923_107.JPG	



09/27/2013

Levee Mile Report Line	6
Start Levee Mile	0.51
End Levee Mile	1.02
Location	Water Side
Category	Earthen Levee
Item	Encroachments
View from downstream end of inaccessible portion of Magpie Creek due to landowner restrictions. There is no levee for ARFC to maintain at this location. However, the channel maintenance is the responsibility of Sacramento Yard.	
mhashch_f_20130923_100.JPG	



10/30/2012 08:17

Levee Mile Report Line	7
Start Levee Mile	1.22
End Levee Mile	1.28
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Barbed wire fence at levee toe.	
mhashch_f_20130923_101.jpg	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Magpie Creek Diversion	Left	1.43	11/21/2013 11/21/2013	Maksim Khashchuk

Levee Mile Report Line	8
Start Levee Mile	1.29
End Levee Mile	1.32
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Chainlink fence at levee toe.	
mhashch_f_20130923_104.jpg	



Levee Mile Report Line	9
Start Levee Mile	1.38
End Levee Mile	1.38
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of the woody vegetation to be removed from the landside levee toe.	
mhashch_f_20130923_106.JPG	



Levee Mile Report Line	10
Start Levee Mile	1.38
End Levee Mile	1.42
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/17/2011 Chainlink fence alignment returns to the levee toe.	
mhashch_f_20130923_105.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Magpie Creek Diversion	Left	1.43	11/21/2013 11/21/2013	Maksim Khashchuk

Levee Mile Report Line	11
Start Levee Mile	1.39
End Levee Mile	1.39
Location	Water Side
Category	Earthen Levee
Item	Encroachments
View of the gate valve at the waterside levee hinge.	
mkhashch_f_20130923_102.JPG	



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

American River Flood Control District

Waterway			Bank	Unit Miles
Unit No. 09 American River			Right	4.32
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/21/2013 - 03/21/2013		11/18/2013 - 11/18/2013	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Richard Marck ARFCDF		Richard Marck ARFCDF	

Summer & Winter Inspections

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- c) corrections to deficiencies noted in this report

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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
LMR No.	Levee Mile		Category	Item	* Location	* Rating	Action/Comment			GPS Latitude/Longitude	Issue No.
	Start	End								Start	End
1	0.02	0.02	Earthen Levee	Encroachments	LS A/W	PI : Pipe En	Inspector Comments: Monitoring well standpipe at landside levee hinge.			38.567955 ° 38.567955 ° -121.383623 ° -121.383623 °	13 Y
										DWR ID: DWR_NA0001_09_f_2013_13	
2	0.40	0.40	Earthen Levee	Trim / Thin Trees	LS N	T5 : Tree stumps. Ma				38.566725 ° 38.566725 ° -121.389935 ° -121.389935 °	12
										DWR ID: DWR_NA0001_09_f_2013_12	
3	0.45	0.45	Earthen Levee	Trim / Thin Trees	LS N	T5 : Tree stumps. Ma	Inspector Comments: Tree trunk at fence line.			38.566298 ° 38.566298 ° -121.390680 ° -121.390680 °	14 Y
										DWR ID: DWR_NA0001_09_s_2012_14	
4	1.13	1.13	Earthen Levee	Vegetation	LS M	V6 : Landscaping En	Inspector Comments: Ivy on slope			38.563040 ° 38.563040 ° -121.402168 ° -121.402168 °	3 Y
										DWR ID: DWR_NA0001_09_s_2012_3	
5	1.74	1.74	Earthen Levee	Animal Control	LS M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Ma				38.560812 ° 38.560812 ° -121.412803 ° -121.412803 °	11 Y
										DWR ID: DWR_NA0001_09_f_2013_11	
6	1.89	1.89	Earthen Levee	Trim / Thin Trees	LS N	T5 : Tree stumps. Ma				38.561074 ° 38.561074 ° -121.415532 ° -121.415532 °	4
										DWR ID: DWR_NA0001_09_f_2013_4	
7	1.94	1.94	Earthen Levee	Encroachments	LS U	FE : Fence En	Inspector Comments: Cinder block trash enclosure.			38.561322 ° 38.561322 ° -121.416350 ° -121.416350 °	5 Y
										DWR ID: DWR_NA0001_09_s_2012_5	
8	3.01	3.01	Earthen Levee	Animal Control	LS M	A1 : Exterminate rodents and backfill and compact or grout burrows. Ma				38.575035 ° 38.575035 ° -121.419802 ° -121.419802 °	6 Y
										DWR ID: DWR_NA0001_09_f_2012_6	
9	3.11	3.24	Earthen Levee	Encroachments	LS U	FE : Fence En				38.576423 ° 38.578248 ° -121.419117 ° -121.418475 °	2 Y
										DWR ID: DWR_NA0001_09_s_2012_2	
10	3.24	3.32	Earthen Levee	Encroachments	LS M	FE : Fence En				38.578258 ° 38.579363 ° -121.418475 ° -121.418100 °	1 Y
										DWR ID: DWR_NA0001_09_s_2012_1	
11	3.38	3.38	Earthen Levee	Encroachments	CR A/W	PI : Pipe Ma	Inspector Comments: 60" FM			38.580159 ° 38.580159 ° -121.417773 ° -121.417773 °	7
										DWR ID: DWR_NA0001_09_s_2012_7	

* Location
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.32	11/18/2013 11/18/2013	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.02
End Levee Mile	0.02
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the monitoring well standpipe on the landside levee hinge.	
mhashch_f_20131120_715.JPG	



Levee Mile Report Line	3
Start Levee Mile	0.45
End Levee Mile	0.45
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Tree trunk at fence line.	
mhashch_f_20130923_112.jpg	



Levee Mile Report Line	4
Start Levee Mile	1.13
End Levee Mile	1.13
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of the landscaping at the levee toe.	
mhashch_f_20130923_109.JPG	



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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.32	11/18/2013 11/18/2013	Maksim Khashchuk

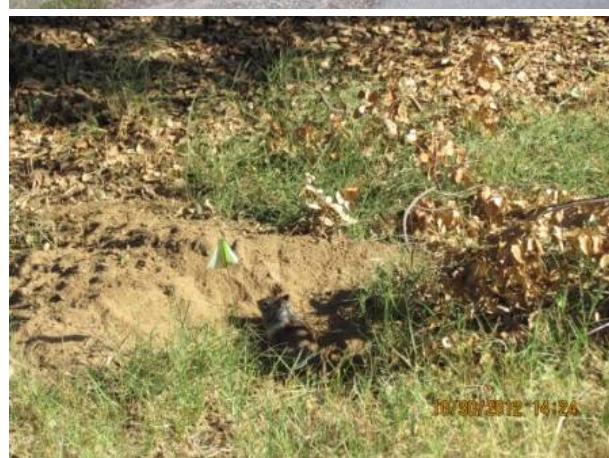
Levee Mile Report Line	5
Start Levee Mile	1.74
End Levee Mile	1.74
Location	Land Side
Category	Earthen Levee
Item	Animal Control
View of the rodent hole on the landside levee slope.	mhashch_f_20131120_716.JPG



Levee Mile Report Line	7
Start Levee Mile	1.94
End Levee Mile	1.94
Location	Land Side
Category	Earthen Levee
Item	Encroachments
4/13/2011 Cinderblock trash enclosure is encroaching in the toe of the levee.	mhashch_f_20130923_110.jpg



Levee Mile Report Line	8
Start Levee Mile	3.01
End Levee Mile	3.01
Location	Land Side
Category	Earthen Levee
Item	Animal Control
View of active rodent burrow at landside levee toe.	mhashch_f_20130923_111.JPG



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 American River	Right	4.32	11/18/2013 11/18/2013	Maksim Khashchuk

Levee Mile Report Line	9
Start Levee Mile	3.11
End Levee Mile	3.24
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the trimmed vegetation on the chain linked fence still obstructing visibility.	
mhashch_f_20131120_714.JPG	



Levee Mile Report Line	10
Start Levee Mile	3.24
End Levee Mile	3.32
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the fence at the landside levee toe.	
mhashch_f_20131120_713.JPG	



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

American River Flood Control District

Waterway			Bank	Unit Miles
Unit No. 10 American River			Right	3.34
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	03/21/2013 - 03/21/2013		11/18/2013 - 11/18/2013	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Richard Marck ARFCDF		Richard Marck ARFCDF	

Summer & Winter Inspections

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector		
Unit No. 10 American River							Right	3.34	11/18/2013 11/18/2013	Maksim Khashchuk		
LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment			GPS Latitude/Longitude	Issue No.	
	Start	End								Start	End	
1	0.00	0.70	Earthen Levee	Encroachments	CR	U	UR : Urban En			38.600917 °	38.592184 °	16
										-121.332100 °	-121.334347 °	Y
										DWR ID: DWR_NA0001_10_s_2012_16		
2	1.62	1.62	Earthen Levee	Encroachments	CR	A/W	PI : Pipe En	Inspector Comments: Water Line		38.581572 °	38.581572 °	11
										-121.343706 °	-121.343706 °	
										DWR ID: DWR_NA0001_10_s_2012_11		
3	2.51	2.51	Earthen Levee	Slope Stability	LS	A/W	S2 : Repair the levee slope damaged by foot traffic and Ma prevent access where possible.			38.575126 °	38.575126 °	7
										-121.357575 °	-121.357575 °	Y
										DWR ID: DWR_NA0001_10_f_2013_7		
4	3.37	3.37	Earthen Levee	Erosion / Bank Caving	LS	M	E1 : Note and monitor erosion site. Ma Inspector Comments: Erosion occurring at junction of footpath and burrow at the hinge point.			38.569866 °	38.569866 °	114
										-121.371403 °	-121.371403 °	Y
										DWR ID: DWR_NA0001_10_s_2012_114		
5	3.58	3.58	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En			38.569556 °	38.569556 °	6
										-121.375302 °	-121.375302 °	Y
										DWR ID: DWR_NA0001_10_s_2012_6		
6	3.64	3.64	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En			38.569360 °	38.569360 °	1
										-121.376388 °	-121.376388 °	Y
										DWR ID: DWR_NA0001_10_s_2013_1		
7	3.87	3.87	Earthen Levee	Slope Stability	LS	M	S2 : Repair the levee slope damaged by foot traffic and Ma prevent access where possible. Inspector Comments: Foot traffic is eroding the landside slope.			38.568526 °	38.568526 °	116
										-121.380331 °	-121.380331 °	Y
										DWR ID: DWR_NA0001_10_s_2012_116		
8	3.88	3.97	Earthen Levee	Vegetation	LS	M	V6 : Landscaping En Inspector Comments: Ivy and trees.			38.568492 °	38.568076 °	4
										-121.380477 °	-121.382001 °	Y
										DWR ID: DWR_NA0001_10_s_2012_4		

* Location LS : Land Side WS : Water Side CR : Crown

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+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.34	11/18/2013 11/18/2013	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.70
Location	Crown
Category	Earthen Levee
Item	Encroachments
Levee encroached on by property owners north of Arden.	
mkhashch_f_20130923_116.jpg	



Levee Mile Report Line	3
Start Levee Mile	2.51
End Levee Mile	2.51
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
View of the pathway on the landside levee slope.	
mkhashch_f_20131120_718.JPG	



Levee Mile Report Line	4
Start Levee Mile	3.37
End Levee Mile	3.37
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving
11/16/2011 Erosion from pedestrian traffic, burrow can be seen in the photo in the lower portion of the shadow.	
mkhashch_f_20130923_117.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.34	11/18/2013 11/18/2013	Maksim Khashchuk

Levee Mile Report Line	4
Start Levee Mile	3.37
End Levee Mile	3.37
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving

View of the erosion on the landside levee slope from pedestrian traffic.

mkhashch_f_20130923_118.JPG



Levee Mile Report Line	5
Start Levee Mile	3.58
End Levee Mile	3.58
Location	Land Side
Category	Earthen Levee
Item	Vegetation

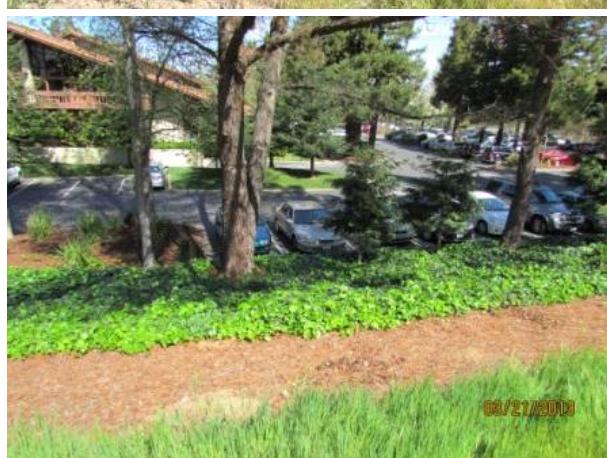
Trees at fence line obstruct access and visibility.



Levee Mile Report Line	6
Start Levee Mile	3.64
End Levee Mile	3.64
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of the landscaping at the levee toe.

mkhashch_f_20130923_115.jpg



mkhashch_f_20130923_113.JPG

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LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
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CR : Crown	U : Unacceptable	En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 American River	Right	3.34	11/18/2013 11/18/2013	Maksim Khashchuk

Levee Mile Report Line	7
Start Levee Mile	3.87
End Levee Mile	3.87
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
View of the erosion on the landside levee slope caused by pedestrian foot traffic.	
mhashch_f_20131120_717.JPG	



Levee Mile Report Line	8
Start Levee Mile	3.88
End Levee Mile	3.97
Location	Land Side
Category	Earthen Levee
Item	Vegetation
03/16/2012 Ivy is growing on landside slope.	
mhashch_f_20130923_114.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2013 Levee Inspection Results

American River Flood Control District

Waterway			Bank	Unit Miles
Unit No. 11 New Linda Creek			Left	0.73
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/11/2013 - 04/11/2013		11/21/2013 - 11/21/2013	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By			Richard Marck ARFCDF	

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 New Linda Creek					Left	0.73	11/21/2013 11/21/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	* Location Start	* Rating +	Action/Comment	GPS Latitude/Longitude	Issue No.
	Start	End						Start	End
1	0.08	0.08	Earthen Levee	Encroachments	WSA/W	PI : Pipe En		38.662979 ° 38.662979 ° 4 -121.456484 ° -121.456484 ° DWR ID: DWR_NA0001_11_s_2013_4	
2	0.37	0.37	Earthen Levee	Encroachments	LS	C	PI : Pipe En	38.665282 ° 38.665282 ° 1 -121.452358 ° -121.452358 ° DWR ID: DWR_NA0001_11_s_2013_1	
3	0.51	0.51	Earthen Levee	Encroachments	WSA/W	PI : Pipe En		38.667109 ° 38.667109 ° 5 -121.450853 ° -121.450853 ° DWR ID: DWR_NA0001_11_s_2013_5	
4	0.62	0.62	Earthen Levee	Vegetation	LS	A	V1 : Control annual grass and weeds on the levee slopes Ma and easements.	38.667886 ° 38.667886 ° 2 -121.449391 ° -121.449391 ° Y DWR ID: DWR_NA0001_11_f_2013_2	

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2013

American River Flood Control District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 New Linda Creek	Left	0.73	11/21/2013 11/21/2013	Maksim Khashchuk

Levee Mile Report Line	4
Start Levee Mile	0.62
End Levee Mile	0.62
Location	Land Side
Category	Earthen Levee
Item	Vegetation
View of the acceptable vegetation control on the levee slopes.	
mkhashch_f_20131121_744.JPG	



* Location LS : Land Side WS : Water Side CR : Crown

** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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